Environment Canada Environnement Canada

Surface Water Data

Manitoba

Données sur les eaux de surface

1981

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1982

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

CONTENTS

	PAGE
Preface	iii
Introduction	iv
Organization and History of Hydrometric Survey Operations	iv
Co-operation and Acknowledgments	v
Conversion Factors	vi
Definition of Terms and Abbreviations	vii
Publication of Surface Water and Sediment Data	vii
Method of Tabulation of Surface Water Data	ix
Revisions	xi
Accuracy of Hydrometric Data	xii
Metric Conversion	xii
Microfiche	xii
Surface Water Data, Gauging Stations in Alphabetical Order	1
Index of Gauging Stations	163

TABLE DES MATIÈRES

	PAGE
Préface	iii
Introduction	iv
Organisation et historique des relevés hydrométriques	iv
Coopération et remerciements	v
Facteurs de conversion	vi
Définitions des termes et abréviations	vii
Publication des données sur les eaux de surface et les sédiments	vii
Présentation sous forme de tableaux des données sur les eaux de surface	ix
Révisions	xi
Exactitude des données hydrométriques	xii
Conversion au système métrique	xii
Microfiche	xii
Données sur les eaux de surface – Stations de jaugeage énumérées dans l'ordre alphabétique	1
Index des stations de jaugeage	163

INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1981 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1981, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1981, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1981, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975 and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Department of Regional Economic Expansion, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Mines, Resources and Environmental Management, Water Resources Division, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba est passée au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Ministère de l'Expansion économique régionale (ARAP).

Niveau provincial – Hydro-Manitoba,
Division des ressources en eau du ministère des Mines et des Ressources et de la Gestion de l'environnement du Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg, Manitoba.

CONVERSION FACTORS

The following list of convenient equivalents of measure gives the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 5280 feet
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 640 acres

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 0.160 54 cubic foot
1 imperial gallon equals 4.546 09 L (litres)
1 U.S. gallon equals 0.133 68 cubic foot
1 imperial gallon equals 1.2010 U.S. gallons

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

FACTEURS DE CONVERSION

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 5280 pieds
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre équivaut à 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 640 acres

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial équivaut à 0.160 54 pied cube
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon américain équivaut à 0.133 68 pied cube
1 gallon impérial équivaut à 1.2010 gallon américain

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Conversion Factors".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 270 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Facteurs de conversion».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 270 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record to 1976 for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

During the years 1948–1960, some sediment data were collected for several prairie rivers to meet the demands of particular projects and the results included in the 1961 publication. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually, the same as for the Surface Water Data publications but in one volume. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and will continue to be published on an annual basis.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement allant jusqu'en 1976, pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, certaines données sur les sédiments étaient recueillies de divers cours d'eau des Prairies afin de répondre aux besoins de projets particuliers et les résultats paraissaient dans l'édition de 1961. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement, comme c'est le cas pour les données sur les eaux de surface, mais dans un seul tome. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et la publication va paraître chaque année.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new biennial publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI) and future editions will be published every five years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications paraissant tous les deux ans et intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les cinq ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located in appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon (1) the stability of the stage-discharge relationship; or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge and interpretation of records. Because of all the variable factors mentioned above, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data.

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, B and E.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

METRIC CONVERSION

In January 1980, all discharge, water level and sediment data on magnetic tape in the Water Survey of Canada data banks were converted to the International System of Units (SI). All requests for data and publications are now supplied in metric units only. The first documents to be published under the system were the Surface Water Data Reference Index (1979), Surface Water Data Series (1979), Historical Streamflow and Water Levels Summaries (to 1979), Sediment Data for Canadian Rivers (1978), Sediment Data Reference Index (1978), and Historical Sediment Data Summary (to 1978).

Daily discharge and water level data for years prior to 1979 and daily sediment data prior to 1978 in metric units are available on magnetic tape, but not in published form.

MICROFICHE

The historical daily discharge, water level and sediment data which were converted to metric units in January 1980 are also available to users on microfiche cards, upon request. The data are stored in station number order by Region in 1980 (Vancouver, Calgary, Regina, Winnipeg, Guelph, Montreal and Halifax) and therefore data for a particular province may include fiche from two or more Regions. There are 270 frames or printouts per microfiche at 48X reduction; there is also a visible heading showing the fiche number, type of data, Region, the beginning and ending station number and year of data and the month/year that the fiche was created; the last frame is an index of the contents of that fiche.

Daily discharge and water level data for 1979 and subsequent years, and daily sediment data for 1978 and subsequent years are available annually on microfiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur (1) la stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence des mesures de débits, et (2) sur la précision des observations sur les niveaux, des mesures de débits et de l'interprétation des relevés. À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données.

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, B et E.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

CONVERSION AU SYSTÈME MÉTRIQUE

En janvier 1980, toutes les données de l'écoulement, des niveaux d'eau et des sédiments stockées sur ruban magnétique dans les banques de données de la Division des relevés hydrologiques du Canada ont été converties au Système international d'unités (SI). Toutes les demandes de données et de publications sont maintenant remplies selon les unités métriques seulement. Les premiers documents à être publiés selon le système métrique ont été l'*Index de référence des données sur les eaux de surface (1979)*, la série des *Données sur les eaux de surface (1979)*, les *Sommaires chronologiques de l'écoulement et des niveaux d'eau (jusqu'à 1979)*, les *Données sur les sédiments des rivières canadiennes (1978)*, l'*Index de référence des données sur les sédiments (1978)* et le *Sommaire chronologique des données sur les sédiments (jusqu'à 1978)*.

Les données du débit quotidien et des niveaux d'eau pour les années antérieures à 1979 et les données quotidiennes des sédiments avant 1978 en unités métriques sont disponibles sur ruban magnétique, mais ne sont pas publiées.

MICROFICHE

En janvier 1980, les données chronologiques concernant les débits quotidiens, les niveaux d'eau et les sédiments ont été converties en unités métriques. Elles sont également disponibles sur microfiche aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par région en 1980 (Vancouver, Calgary, Regina, Winnipeg, Guelph, Montréal ou Halifax). Les données relatives à une province en particulier peuvent donc inclure des fiches en provenance de deux régions ou plus. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la région, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette, et le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

Les données sur les débits quotidiens et les niveaux d'eau recueillies à partir de 1979 ainsi que les données quotidiennes sur les sédiments dès 1978 sont disponibles sur microfiche chaque année.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ANGLING RIVER NEAR BIRD - STATION NO. 05UH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.37B	1.48 B	0.824B	0.668B	0.664B	48.1	28.0	16.0	7.50E	6.99	12.4 B	4.00B	1
2	2.32B	1.45 B	0.812B	0.668B	0.664B	42.9	26.4	17.9	7.35E	7.28	11.6 B	3.88B	2
3	2.29B	1.41 B	0.800B	0.668B	0.664B	37.3	24.2	19.0	7.20E	7.47	10.9 B	3.80B	3
4	2.26B	1.40 B	0.800B	0.668B	0.659B	34.6	21.5	21.5	7.00E	7.54	10.3 B	3.64B	4
5	2.22B	1.39 B	0.796B	0.668B	0.659B	31.0	19.5	24.0	6.85E	7.90	9.90B	3.57B	5
6	2.16B	1.36 B	0.791B	0.668B	0.659B	29.7	17.0	25.3	6.68E	8.65	9.37B	3.49B	6
7	2.13B	1.33 B	0.782B	0.668B	0.659B	28.6	14.4	26.2	6.58E	9.38	9.31B	3.42B	7
8	2.06B	1.32 B	0.774B	0.668B	0.659B	26.6	13.4	26.7	6.50A	9.80	8.53B	3.34B	8
9	2.02B	1.28 B	0.765B	0.668B	0.659B	25.8	14.1	25.2	6.38	9.75	8.10B	3.26B	9
10	2.00B	1.26 B	0.760B	0.668B	0.659B	24.7	12.4	24.7	6.31	10.3	7.83B	3.20B	10
11	1.99B	1.22 B	0.756B	0.668B	0.659B	24.2	10.6	23.2	6.55	11.3	7.53B	3.12B	11
12	1.96B	1.20 B	0.756B	0.668B	0.655B	23.0	10.0	20.4	6.10	12.6	7.28B	3.02B	12
13	1.93B	1.17 B	0.747B	0.668B	0.703B	22.6	9.49	19.1	5.75	15.8	7.00B	2.96B	13
14	1.89B	1.16 B	0.738B	0.668B	1.28 B	21.6	8.75	17.9	5.68	20.2	6.73B	2.86B	14
15	1.88B	1.14 B	0.734B	0.668B	8.41 B	20.1	8.38	16.2	5.55	25.5	6.50B	2.78B	15
16	1.84B	1.11 B	0.730B	0.668B	25.4 B	19.2	7.46	15.7	5.56	31.6	6.28B	2.75B	16
17	1.82B	1.09 B	0.725B	0.668B	44.9 B	18.3	7.24	14.9	5.73	36.6	6.03B	2.67B	17
18	1.78B	1.06 B	0.721B	0.668B	77.6 B	19.0	7.29	14.4	5.94	38.8	5.85B	2.61B	18
19	1.76B	1.05 B	0.716B	0.668B	106 B	26.4	6.16	14.0	5.43	40.4	5.56B	2.53B	19
20	1.75B	1.04 B	0.712B	0.668B	114 B	33.0	5.98	13.1	5.39	39.9	5.42B	2.48B	20
21	1.77B	1.03 B	0.708B	0.668B	116 B	38.7	5.93	12.7	5.32	36.6 B	5.32B	2.42B	21
22	1.71B	1.00 B	0.699B	0.668B	116 B	42.0	5.60	12.7	5.18	32.8 B	5.14B	2.35B	22
23	1.69B	0.980B	0.690B	0.668B	115 E	42.5	5.29	11.2	5.45	28.8 B	5.00B	2.29B	23
24	1.66B	0.956B	0.686B	0.668B	113 E	40.4	6.20	10.9	5.29	24.9 B	4.84B	2.22B	24
25	1.64B	0.932B	0.681B	0.668B	110 E	37.1	8.39	10.8	5.25	22.7 B	4.72B	2.16B	25
26	1.62B	0.920B	0.677B	0.668B	106 A	33.5	11.0	9.75	4.87	20.1 B	4.58B	2.10B	26
27	1.59B	0.908B	0.677B	0.668B	95.2	29.8	13.1	9.14	4.12	17.9 B	4.50B	2.02B	27
28	1.57B	0.884B	0.672B	0.664B	84.5	26.5	14.8	8.80	5.27	16.3 B	4.36B	1.99B	28
29	1.54B		0.672B	0.664B	74.5	26.5	15.7	8.39	5.95	15.0 B	4.24B	1.95B	29
30	1.52B		0.668B	0.664B	63.0	27.4	15.6	7.45	6.70	14.0 B	4.16B	1.90B	30
31	1.51B		0.668B		55.0		16.0	7.60E		13.2 B		1.87B	31
TOTAL	58.25	32.530	22.737	20.028	1 434.412	901.1	389.86	504.83	179.43	600.06	209.28	86.65	TOTAL
MEAN	1.88	1.16	0.733	0.668	46.3	30.0	12.6	16.3	5.98	19.4	6.98	2.80	MEAN
MAX	2.37	1.48	0.824	0.668	116	48.1	28.0	26.7	7.50	40.4	12.4	4.00	MAX
MIN	1.51	0.884	0.668	0.664	0.655	18.3	5.29	7.45	4.12	6.99	4.16	1.87	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.2
MAXIMUM DAILY, 116B ON MAY 21
MINIMUM DAILY, 0.655B ON MAY 12

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 39 N
LONG 93 38 20 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 030	JUL	33 700
FEB	2 810	AUG	43 600
MAR	1 960	SEP	15 500
APR	1 730	OCT	51 800
MAY	124 000	NOV	18 100
JUN	77 900	DEC	7 490

TOTAL DISCHARGE, 384 000 dam³

ANTLER RIVER NEAR MELITA - STATION NO. 05NF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	1.13 B	0.049	0.003	0	0	0	0	0	0	0B	1
2	0B	0 B	0.910B	0.022	0.003	0	0	0	0	0	0	0B	2
3	0B	0 B	0.885B	0.042	0.003	0	0	0	0	0	0	0B	3
4	0B	0 B	0.699B	0.056	0.003	0	0	0	0	0	0	0B	4
5	0B	0 B	0.579B	0.020	0.003	0	0	0	0	0	0	0B	5
6	0B	0 B	0.502B	0.047	0.002	0	0	0	0	0	0	0B	6
7	0B	0 B	0.440B	0.050	0.002	0	0	0	0	0	0	0B	7
8	0B	0 B	0.398B	0.029	0.002	0	0	0	0	0	0	0B	8
9	0B	0 B	0.375B	0.013	0.002	0	0	0	0	0	0	0B	9
10	0B	0 B	0.351B	0.028	0.001	0	0	0	0	0	0	0B	10
11	0B	0 B	0.337B	0.035	0.001	0	0	0	0	0	0	0B	11
12	0B	0 B	0.324B	0.035	0.001	0	0	0	0	0	0	0B	12
13	0B	0 B	0.322B	0.039	0.001	0	0	0	0	0	0	0B	13
14	0B	0 B	0.310B	0.042	0.001	0	0	0	0	0	0	0B	14
15	0B	0 B	0.287B	0.034	0.001	0	0	0	0	0	0	0B	15
16	0B	0 B	0.301	0.039	0.001	0	0	0	0	0	0	0B	16
17	0B	0 B	0.292	0.028	0.001	0	0	0	0	0	0	0B	17
18	0B	0 B	0.293	0.025	0.001	0	0	0	0	0	0	0B	18
19	0B	0 B	0.286	0.006	0	0	0	0	0	0	0B	0B	19
20	0B	0 B	0.265	0.005	0	0	0	0	0	0	0B	0B	20
21	0B	0 B	0.257	0.005	0	0	0	0	0	0	0B	0B	21
22	0B	0 B	0.227	0.005	0	0	0	0	0	0	0B	0B	22
23	0B	0 B	0.200	0.004	0	0	0	0	0	0	0B	0B	23
24	0B	0 B	0.180	0.004	0	0	0	0	0	0	0B	0B	24
25	0B	0 B	0.168	0.004	0	0	0	0	0	0	0B	0B	25
26	0B	1.76 B	0.158	0.003	0	0	0	0	0	0	0B	0B	26
27	0B	2.96 B	0.132	0.003	0	0	0	0	0	0	0B	0B	27
28	0B	1.67 B	0.117	0.003	0	0	0	0	0	0	0B	0B	28
29	0B		0.083	0.003	0	0	0	0	0	0	0B	0B	29
30	0B		0.051	0.003	0	0	0	0	0	0	0B	0B	30
31	0B		0.058		0		0	0		0		0B	31
TOTAL	0	6.39	10.917	0.681	0.032	0	0	0	0	0	0	0	TOTAL
MEAN	0	0.228	0.352	0.023	0.001	0	0	0	0	0	0	0	MEAN
MAX	0	2.96	1.13	0.056	0.003	0	0	0	0	0	0	0	MAX
MIN	0	0	0.051	0.003	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.049
MAXIMUM DAILY, 2.96B ON FEB 27
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 101 02 56 W
DRAINAGE AREA, 3 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	552	AUG	0
MAR	943	SEP	0
APR	58.8	OCT	0
MAY	2.76	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 1 560 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05MG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.085B	0.121B	0.047	0.059	0.081	0.055	0	0.248	0.099	---	---	1
2	---	0.087B	0.055B	0.037	0.055	0.063	0.079	0	0.227	0.095	---	---	2
3	---	0.089B	0.069B	0.056	0.053	0.055	0.073	0	0.137	0.084	---	---	3
4	---	0.091B	0.041B	0.100	0.056	0.053	0.050	0	0.091	0.076	---	---	4
5	---	0.092B	0.019B	0.112	0.055	0.053	0.030	0	0.062	0.068	---	---	5
6	---	0.094B	0.046B	0.064	0.050	0.043	0.017	0	0.039	0.064	---	---	6
7	---	0.096B	0.075B	0.087	0.046	0.042	0.008	0	0.028	0.055	---	---	7
8	---	0.098B	0.055B	0.078	0.043	0.036	0.011	0	0.020	0.048	---	---	8
9	---	0.100B	0.033B	0.072	0.038	0.031	0.010	0	0.014	0.044	---	---	9
10	---	0.102B	0.029B	0.066	0.031	0.021	0.002	0	0.009	0.041	---	---	10
11	---	0.104B	0.024B	0.093	0.038	0.018	0	0	0.002	0.035	---	---	11
12	---	0.105B	0.023B	0.091	0.040	0.017	0	0	0	0.065	---	---	12
13	---	0.107B	0.025B	0.095	0.046	0.017	0	0	0	0.120	---	---	13
14	---	0.109B	0.043B	0.076	0.045	0.028	0	0	0	0.105	---	---	14
15	---	0.111B	0.037B	0.059	0.050	0.067	0	0	0	0.102	---	---	15
16	---	0.187B	0.039B	0.056	0.046	0.094	0	0	0	0.091	---	---	16
17	---	0.262B	0.037B	0.060	0.041	0.109	0	0	0	0.088	---	---	17
18	---	0.285B	0.051B	0.061	0.054	0.135	0	0	0	0.080	---	---	18
19	---	0.308B	0.065B	0.060	0.051	0.115	0	0	0	0.071	---	---	19
20	---	0.330B	0.055B	0.055	0.041	0.099	0	0	0	0.061	---	---	20
21	---	0.353B	0.052B	0.052	0.040	0.089	0	0	0	0.061	---	---	21
22	---	0.378B	0.056B	0.051	0.054	0.146	0	0	0	0.057	---	---	22
23	---	0.403B	0.068	0.050	0.082	0.131	0	0	0	0.068	---	---	23
24	---	0.428B	0.070	0.049	0.112	0.130	0	0.017	0	0.045	---	---	24
25	---	0.712B	0.058	0.049	0.126	0.105	0	0.057	0.006	0.074	---	---	25
26	---	0.569B	0.055	0.047	0.130	0.094	0	0.032	0.055	0.042	---	---	26
27	---	0.325B	0.026	0.057	0.126	0.072	0	0.015	0.081	0.047	---	---	27
28	---	0.179B	0.039	0.057	0.121	0.067	0	0.008	0.089	0.047	---	---	28
29	---		0.028	0.057	0.112	0.078	0	0.009	0.106	0.049	---	---	29
30	---		0.023	0.059	0.102	0.060	0	0.017	0.122	0.058	---	---	30
31	---		0.029		0.089		0	0.183		0.085		---	31
TOTAL	---	6.189	1.446	1.953	2.032	2.149	0.335	0.338	1.336	2.125	---	---	TOTAL
MEAN	---	0.221	0.047	0.065	0.066	0.072	0.011	0.011	0.045	0.069	---	---	MEAN
MAX	---	0.712	0.121	0.112	0.130	0.146	0.079	0.183	0.248	0.120	---	---	MAX
MIN	---	0.085	0.019	0.037	0.031	0.017	0	0	0	0.035	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.048
MAXIMUM DAILY, 0.248 ON SEP 1
MINIMUM DAILY, 0 ON JUL 11
MAXIMUM INSTANTANEOUS,
1.16B AT 15:52 CST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA, 671 km²

B - ICE CONDITIONS

NATURAL FLOW

REMARKS - MAXIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	28.9
FEB	535	AUG	29.2
MAR	125	SEP	115
APR	169	OCT	184
MAY	176	NOV	---
JUN	186	DEC	---

TOTAL DISCHARGE, 1 010 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO. 05MJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.0B	14.2B	23.7B	47.2 B	8.79	13.1	18.9	7.76	22.9	11.6	18.2	15.4B	1
2	16.0B	13.7B	26.9B	61.5 B	7.13	13.1	18.6	8.71	20.4	12.0	17.7	14.9B	2
3	16.3B	13.2B	30.5B	47.3 B	8.23	13.2	18.5	9.91	18.3	14.8	17.2	14.1B	3
4	15.7B	13.1B	33.4B	35.4 B	10.1	13.5	18.2	10.1	16.3	15.7	16.9	13.7B	4
5	16.4B	13.1B	32.4B	36.3 B	15.4	13.7	17.9	9.82	14.2	14.9	16.1	14.1B	5
6	16.3B	13.1B	30.4B	35.1 B	31.2	14.0	17.4	9.80	18.0	14.4	16.0	14.3B	6
7	15.7B	13.6B	28.8B	28.8	28.1	14.2	16.5	10.2	24.4	15.0	16.3	14.4B	7
8	14.7B	13.7B	27.0B	28.7	19.1	14.0	16.0	10.6	24.1	15.5	17.1	14.5B	8
9	14.2B	13.0B	25.8B	29.1	22.1	14.4	16.3	9.77	21.8	14.4	17.2	14.7B	9
10	15.1B	12.9B	25.4B	30.4	21.1	14.8	17.8	9.48	18.4	15.6	17.3	16.3B	10
11	15.7B	12.0B	25.0B	30.7	18.4	14.8	17.2	9.99	16.3	16.5	17.0	14.5B	11
12	15.4B	12.9B	24.5B	30.8	19.2	14.8	17.4	10.3	16.0	17.8	17.2	12.4B	12
13	15.4B	12.8B	25.2B	27.7	19.1	15.0	16.1 A	9.73	22.7	17.9	17.7	12.6B	13
14	14.8B	12.7B	25.9B	23.8	21.8	15.0	16.3 E	8.99	32.6	17.2	17.8	12.8B	14
15	14.6B	12.6B	26.6B	21.5	21.5	14.9	16.6 E	8.41	36.0	16.4	18.6	12.4B	15
16	14.6B	12.4B	26.8B	25.8	17.2	15.4	16.8 E	7.74	36.4	16.3	20.2	12.1B	16
17	14.3B	12.2B	27.3B	26.7	19.8	15.7	15.8 E	7.18	22.9	16.5	21.3	12.2B	17
18	14.4B	12.2B	28.2B	25.7	19.9	15.5	14.5 E	6.95	13.0	16.1	21.9	13.0B	18
19	14.6B	12.3B	28.9B	25.9	17.1	15.3	12.8 E	6.82	11.6	16.1	21.6	13.0B	19
20	15.0B	12.3B	30.0B	25.5	15.3	15.7	11.2 E	6.52	10.5	17.5	15.4B	12.5B	20
21	15.6B	12.1B	31.5B	25.1	14.9	15.4	10.6 E	6.32	9.79	17.2	16.3B	11.0B	21
22	15.6B	11.9B	31.9B	25.4	15.0	15.4	10.4 A	6.09	10.5	15.8	12.3B	10.5B	22
23	15.1B	12.2B	32.6B	23.9	15.1	15.2	10.4	5.91	10.4	16.6	12.2B	12.7B	23
24	15.0B	13.3B	32.8B	22.9	14.3	15.8	9.99	6.07	9.82	16.0B	11.6B	14.5B	24
25	15.4B	14.1B	34.3B	20.3	13.2	16.8	9.39	6.10	9.67	15.3B	12.0B	14.3B	25
26	15.8B	14.8B	35.7B	14.2	13.6	17.5	8.72	6.09	9.66	14.8B	13.2B	14.1B	26
27	15.8B	16.4B	35.6B	11.6	14.3	18.0	8.54	6.09	10.2	14.2	14.1B	14.6B	27
28	15.5B	19.3B	35.8B	9.39	14.6	18.6	8.51	6.36	10.5	17.8	14.9B	13.8B	28
29	15.3B		35.4B	8.22	14.1	18.9	8.22	7.98	11.1	24.1	15.8B	13.0B	29
30	15.1B		33.6B	8.87	11.9	19.1	8.09	15.8	10.5	22.7	17.7B	13.3B	30
31	14.7B		36.2B		12.9		8.05	23.8		19.7		13.4B	31
TOTAL	474.1	373.1	928.1	813.78	514.45	460.8	431.71	275.39	518.94	506.4	498.8	419.1	TOTAL
MEAN	15.3	13.3	29.9	27.1	16.6	15.4	13.9	8.88	17.3	16.3	16.6	13.5	MEAN
MAX	16.4	19.3	36.2	61.5	31.2	19.1	18.9	23.8	36.4	24.1	21.9	16.3	MAX
MIN	14.2	11.9	23.7	8.22	7.13	13.1	8.05	5.91	9.66	11.6	11.6	10.5	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.0
MAXIMUM DAILY, 61.5B ON APR 2
MINIMUM DAILY, 5.91 ON AUG 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 09 N
LONG 97 24 10 W
DRAINAGE AREA, 153 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41 000	JUL	37 300
FEB	32 200	AUG	23 800
MAR	80 200	SEP	44 800
APR	70 300	OCT	43 800
MAY	44 400	NOV	43 100
JUN	39 800	DEC	36 200

TOTAL DISCHARGE, 537 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO. 05MH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.8 B	9.91B	25.1B	14.9	10.7	8.44	9.19	2.84	6.71	6.41	12.6	14.8 B	1
2	12.7 B	9.77B	25.5B	16.0	10.5	8.76	9.66	2.83	6.37	7.13	12.3	14.2 B	2
3	12.7 B	9.57B	25.9B	17.4	10.5	8.49	9.60	3.10	5.19	8.28	11.9	13.3 B	3
4	12.6 B	9.37B	26.1B	18.8	10.3	8.47	8.83	3.22	4.73	9.09	12.1	15.0 B	4
5	12.7 B	9.46B	25.7B	19.5	10.0	8.71	8.03	3.15	4.89	9.39	12.1	16.3 B	5
6	12.9 B	9.54B	25.1B	19.4	9.64	8.46	7.26	3.07	4.77	9.67	12.4	16.6 B	6
7	12.9 B	9.71B	24.4B	17.7	9.55	8.65	6.52	2.81	4.56	9.81	12.5	15.1 B	7
8	12.6 B	9.54B	23.7B	15.6	9.23	8.58	6.60	2.53	4.37	9.98	13.3	14.8 B	8
9	12.6 B	9.34B	23.5B	14.2	9.46	8.63	5.59	2.39	4.24	10.0	15.1	14.6 B	9
10	12.5 B	9.29B	23.2B	14.4	8.96	8.54	5.04	2.38	4.06	9.73	17.3	14.3 B	10
11	12.5 B	9.23B	22.7B	14.9	9.13	8.20	4.95	2.39	3.81	9.48	17.7	14.2 B	11
12	12.8 B	9.26B	21.7B	15.7	9.26	7.87	4.69	2.38	3.78	10.2	17.6	14.0 B	12
13	12.6 B	9.54B	20.5B	15.5	8.96	7.54	4.35	2.58	3.96	11.0	17.5	13.9 B	13
14	12.3 B	9.63B	19.5B	14.7	8.81	7.58	4.28	2.64	3.90	10.3	17.4	13.6 B	14
15	12.1 B	9.32B	18.4B	14.0	8.11	7.83	4.32	2.64	3.76	9.94	17.2	13.5 B	15
16	12.1 B	9.20B	16.5B	13.5	8.28	8.01	3.97	2.61	3.72	10.4	17.2	11.9 B	16
17	12.0 B	9.91B	16.6B	12.6	8.32	7.68	3.62	2.53	3.57	10.9	16.9	10.5 B	17
18	12.4 B	11.9 B	15.8B	11.9	7.99	7.46	3.46	2.39	3.44	11.2	16.9	10.1 B	18
19	12.1 B	11.8 B	14.5B	11.7	7.51	6.93	3.38	2.38	3.35	11.5	16.3	9.91B	19
20	12.3 B	12.6 B	15.8B	11.1	7.08	6.66	3.33	2.43	3.22	11.3	15.8B	9.68B	20
21	12.2 B	14.2 B	14.2B	10.9	6.71	7.08	3.37	2.96	3.22	11.5	17.7B	9.80B	21
22	12.2 B	17.3 B	14.9B	10.4	6.61	8.43	3.49	3.37	3.22	11.5	14.7B	9.91B	22
23	11.6 B	18.6 B	12.9B	10.3	6.82	8.90	3.57	4.19	3.39	11.0	13.3B	10.1 B	23
24	10.8 B	19.8 B	13.0B	9.87	6.83	9.36	3.57	9.59	3.40	11.4	12.1B	10.9 B	24
25	10.5 B	20.6 B	12.4B	10.3	6.85	10.3	3.68	8.04	3.72	10.6	11.3B	11.1 B	25
26	10.3 B	22.1 B	15.2	10.0	6.82	11.1	3.72	6.69	5.80	11.2	11.4B	11.2 B	26
27	10.1 B	23.6 B	13.8	9.82	6.81	11.4	3.60	5.74	6.22	10.7	11.9B	11.1 B	27
28	9.88B	24.4 B	14.7	9.97	6.95	10.8	3.33	5.29	5.96	10.1	15.5B	10.8 B	28
29	9.77B		15.2	10.6	7.74	10.5	3.10	5.03	6.04	9.87	17.0B	10.5 B	29
30	9.80B		14.7	10.8	7.80	9.93	3.04	4.68	6.15	10.6	16.5B	10.2 B	30
31	9.97B		14.6		7.93		3.17	6.52		11.8		10.2 B	31
TOTAL	367.32	358.49	585.8	406.46	260.16	259.29	154.32	115.39	133.52	315.98	443.5	386.10	TOTAL
MEAN	11.8	12.8	18.9	13.5	8.39	8.64	4.98	3.72	4.45	10.2	14.8	12.5	MEAN
MAX	12.9	24.4	26.1	19.5	10.7	11.4	9.66	9.59	6.71	11.8	17.7	16.6	MAX
MIN	9.77	9.20	12.4	9.82	6.61	6.66	3.04	2.38	3.22	6.41	11.3	9.68	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 26.1B ON MAR 4
MINIMUM DAILY, 2.38 ON AUG 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 06 10 W
DRAINAGE AREA, 85 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	31 700	JUL	13 300
FEB	31 000	AUG	9 970
MAR	50 600	SEP	11 500
APR	35 100	OCT	27 300
MAY	22 500	NOV	38 300
JUN	22 400	DEC	33 400

TOTAL DISCHARGE, 327 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.9B	14.9B	35.7B	25.3A	22.9	13.9	17.4 E	7.79	14.7	12.9	16.1	16.1B	1
2	16.3B	15.0B	31.6B	24.6	22.7	13.9	17.7 E	7.29	24.7	12.1	16.3	16.0B	2
3	14.9B	15.1B	29.1B	24.6	22.1	13.7	17.5 E	7.60	26.6	12.2	16.9	15.8B	3
4	14.6B	14.0B	27.0B	25.9	21.5	14.2	16.7 E	7.82	20.1	12.9	17.3	15.6B	4
5	15.5B	14.0B	26.0B	26.8	21.4	15.1	15.7 E	8.57	16.5	12.8	17.4	15.4B	5
6	16.8B	13.6B	25.2B	28.1	21.0	14.9	14.6 E	8.96	15.1	13.9	17.2	15.3B	6
7	17.2B	14.2B	23.7B	29.1	20.7	15.0	13.4 E	9.94	13.1	14.9	17.4	15.1B	7
8	17.3B	14.2B	23.3B	30.0	20.8	14.8	13.1 E	9.27	11.7	15.4	17.4	15.0B	8
9	16.6B	14.5B	23.1B	29.4	19.9	14.8	11.8 E	8.39	11.2	15.5	17.4	14.8B	9
10	17.0B	14.8B	22.6B	27.2	19.5	14.6	11.2 E	8.05	10.4	15.2	17.7	14.8B	10
11	17.1B	15.2B	21.8B	25.9	19.5	13.9	11.5 E	7.77	9.78	15.1	18.2	14.8B	11
12	17.1B	14.6B	21.8B	25.0	19.6	13.7	11.1 E	7.37	9.35	15.6	19.8	14.8B	12
13	17.1B	14.4B	24.4B	24.9	19.0	13.7	11.2 E	7.12	8.82	15.7	21.4	14.8B	13
14	17.2B	14.3B	26.9B	25.0	17.9	14.2	10.9 A	6.99	8.52	15.9	21.9	14.8B	14
15	17.9B	14.3B	29.2B	25.0	17.3	14.6	10.5	6.80	8.40	16.8	22.0	14.8B	15
16	18.3B	13.7B	32.3B	24.5	16.7	14.7A	10.5	6.71	8.28	16.7	22.1	14.8B	16
17	19.1B	12.2B	34.3B	23.7	15.6	14.5E	9.83	6.48	8.74	16.6	22.1	14.8B	17
18	18.6B	11.4B	36.7B	23.5	14.6	14.5E	9.53	6.40	9.31	16.7	22.5	14.8B	18
19	18.1B	12.3B	38.3B	22.9	14.0	14.4E	9.27	6.27	8.89	16.9	21.7B	14.8B	19
20	17.7B	12.3B	40.4B	21.8	13.6	14.2E	8.89	6.25	8.50	17.1	21.4B	14.8B	20
21	18.2B	15.5B	41.0B	21.3	13.1	15.1E	8.64	6.24	8.44	17.6	13.2B	14.8B	21
22	18.1B	19.5B	41.8B	20.8	12.5	17.0E	8.54	6.20	8.35	17.9	12.5B	14.8B	22
23	17.9B	22.1B	40.0B	20.4	12.3	18.1E	8.30	6.69	8.25	17.7	15.4B	14.8B	23
24	17.8B	26.0B	36.5B	20.0	12.8	18.2E	8.38	8.78	8.18	17.7	17.5B	14.8B	24
25	18.4B	27.3B	37.8B	19.8	13.4	19.2E	8.02	12.1	8.24	17.4B	17.9B	14.9B	25
26	17.6B	36.1B	35.8B	19.6	13.8	19.6E	7.72	24.4	9.62	17.0B	18.2B	14.9B	26
27	16.8B	37.7B	38.2B	20.2	14.7	19.5E	7.57	27.1	9.63	16.7	16.8B	14.9B	27
28	16.5B	37.5B	34.5B	20.4	14.2	18.5E	7.38	22.2	11.4	16.5	17.5B	14.9B	28
29	14.1B		26.7	21.0	13.8	18.8E	7.39	17.7	13.3	16.7	18.9B	15.0B	29
30	14.9B		26.2	22.0	13.4	18.2E	7.80	14.3	13.3	16.5	16.8B	15.0B	30
31	14.9B		25.5		13.4		8.39	13.9		16.4		15.0B	31
TOTAL	526.5	500.7	957.4	718.7	527.7	469.5	340.45	311.45	351.40	489.0	548.9	465.7	TOTAL
MEAN	17.0	17.9	30.9	24.0	17.0	15.7	11.0	10.0	11.7	15.8	18.3	15.0	MEAN
MAX	19.1	37.7	41.8	30.0	22.9	19.6	17.7	27.1	26.6	17.9	22.5	16.1	MAX
MIN	14.1	11.4	21.8	19.6	12.3	13.7	7.38	6.20	8.18	12.1	12.5	14.8	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.0
MAXIMUM DAILY, 41.8B ON MAR 22
MINIMUM DAILY, 6.20 ON AUG 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 56 W
DRAINAGE AREA, 152 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	45 500	JUL	29 400
FEB	43 300	AUG	26 900
MAR	82 700	SEP	30 400
APR	62 100	OCT	42 200
MAY	45 600	NOV	47 400
JUN	40 600	DEC	40 200

TOTAL DISCHARGE, 536 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO. 05ME006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.7 B	8.81B	14.7 B	16.3	4.38	3.44	2.81	1.02	2.90	8.03	10.4	11.2 B	1
2	10.5 B	8.82B	14.2 B	17.0	4.37	3.22	2.58	1.00	2.66	8.71	10.5	11.3 B	2
3	10.3 B	9.06B	13.2 B	16.1	4.28	4.32	2.26	1.02	2.60	9.02	10.4	10.7 B	3
4	9.89B	9.00B	11.9 B	13.9	4.23	4.55	2.04	1.02	2.59	8.91	11.2	10.0 B	4
5	9.54B	8.51B	11.2 B	12.0	4.38	4.26	1.91	1.13	2.57	8.74	13.7	9.38B	5
6	8.54B	8.78B	10.8 B	11.0	4.46	3.96	1.78	1.27	2.63	8.73	16.2	9.36B	6
7	9.60B	9.27B	10.2 B	10.3	4.38	3.66	1.75	1.33	2.98	8.59	16.5	8.21B	7
8	10.8 B	9.22B	8.96B	9.98	4.34	3.35	1.72	1.19	3.05	8.42	16.1	7.52B	8
9	10.7 B	9.20B	8.12B	9.17	4.28	3.22	1.44	1.13	2.87	8.38	15.9	7.96B	9
10	9.76B	8.83B	7.73B	8.63	4.03	3.16	1.34	1.11	2.70	8.33	15.7	9.37B	10
11	9.70B	8.29B	7.54B	7.94	3.98	2.99	1.32	1.07	2.53	8.18	15.6	10.2 B	11
12	9.38B	8.63B	8.06B	7.55	3.92	2.73	1.28	1.04	2.36	8.74	15.6	9.69B	12
13	9.30B	8.86B	8.92B	7.22	3.84	2.65	1.17	1.08	2.20	9.28	15.7	9.48B	13
14	10.1 B	9.01B	10.3 B	6.90	3.67	2.72	1.16	1.16	2.03	9.59	15.6	9.66B	14
15	10.5 B	9.16B	12.1 B	6.58	3.48	2.91	1.18	1.28	1.83	9.72	15.5	9.17B	15
16	10.5 B	9.20B	12.8 B	6.25	3.29	3.50	1.44	1.41	1.77	9.86	15.3	8.71B	16
17	10.4 B	9.35B	11.8 B	6.06	3.19	3.90	2.10	1.57	1.88	9.91	15.2	8.65B	17
18	10.2 B	9.64B	11.1 B	5.81	3.07	3.97	1.81	1.71	2.22	9.90	15.1	8.57B	18
19	8.97B	10.8 B	10.3 B	5.70	2.96	4.47	2.67	1.85	2.28	9.88	14.8	8.87B	19
20	8.07B	10.8 B	9.61B	5.36	2.93	5.82	2.45	1.83	2.62	9.73	13.9	9.14B	20
21	7.95B	11.4 B	9.74B	5.33	2.84	6.26	1.91	1.82	3.85	9.52	9.38B	9.43B	21
22	8.02B	12.0 B	9.64B	5.21	2.86	6.35	1.49	1.79	4.13	9.46	10.1 B	9.58B	22
23	8.08B	12.7 B	9.65B	5.06	2.97	5.58	1.27	2.22	4.15	9.28	10.2 B	9.77B	23
24	8.47B	13.4 B	9.54B	4.92	3.24	5.01	1.15	2.65	4.12	9.01	11.6 B	9.90B	24
25	8.83B	14.7 B	9.54B	4.84	3.38	4.33	1.13	2.42	4.19	8.52	12.1 B	9.90B	25
26	8.91B	16.0 B	9.89B	4.80	3.61	3.98	1.11	2.26	4.65	9.48	11.8 B	9.90B	26
27	9.01B	16.5 B	9.68B	4.70	3.84	3.79	1.06	2.21	5.24	9.97	11.7 B	9.88B	27
28	9.05B	15.6 B	9.76B	4.68	4.16	3.81	1.01	2.31	6.81	11.4	11.4 B	9.81B	28
29	8.98B		10.2 B	4.65	4.25	3.49	0.995	2.45	7.39	9.87	11.2 B	9.74B	29
30	8.09B		11.8	4.59	3.99	2.98	0.997	2.73	7.78	9.57	11.2 B	9.70B	30
31	8.03B		15.5		3.67		1.04	3.07		9.75		9.24B	31
TOTAL	290.87	295.54	328.48	238.53	116.27	118.38	49.372	51.15	101.59	286.48	399.58	293.99	TOTAL
MEAN	9.38	10.6	10.6	7.95	3.75	3.95	1.59	1.65	3.39	9.24	13.3	9.48	MEAN
MAX	10.8	16.5	15.5	17.0	4.46	6.35	2.81	3.07	7.78	11.4	16.5	11.3	MAX
MIN	7.95	8.29	7.54	4.59	2.84	2.65	0.995	1.00	1.77	8.03	9.38	7.52	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.04
MAXIMUM DAILY, 17.0 ON APR 2
MINIMUM DAILY, 0.995 ON JUL 29
MAXIMUM INSTANTANEOUS,
17.4 AT 14:13 CST ON APR 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 39 N
LONG 101 02 08 W
DRAINAGE AREA, 76 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 100	JUL	4 270
FEB	25 500	AUG	4 420
MAR	28 400	SEP	8 780
APR	20 600	OCT	24 800
MAY	10 000	NOV	34 500
JUN	10 200	DEC	25 400

TOTAL DISCHARGE, 222 000 dam³

ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.4B	15.0B	35.2B	14.4 B	9.14	14.7	17.5 E	9.61E	22.3	18.6	18.9	1.77B	1
2	15.4B	15.2B	35.5B	16.0 B	13.1	14.7	17.0 E	10.6 E	19.9	17.4	18.6	2.50B	2
3	16.5B	15.3B	33.3B	26.4	18.0	14.8	16.8 E	9.94E	15.8	16.3	18.0	1.76B	3
4	16.0B	15.4B	31.5B	27.7	34.4	15.4	16.8 E	9.32E	22.7	17.2	18.1	1.75B	4
5	15.4B	16.4B	29.2B	28.0	33.0	15.8	16.9 E	9.75E	29.3	18.1	18.6	1.95B	5
6	14.5B	15.3B	26.8B	29.3	19.8	15.8	17.1 E	10.5 E	29.3	17.2	19.4	6.25B	6
7	14.5B	15.2B	25.5B	29.6	25.4	16.3	17.7 E	11.1 E	26.2	16.0	19.8	12.4 B	7
8	16.3B	15.4B	25.9B	31.0	23.0	16.5	18.1 E	11.1 E	21.7	17.9	19.6	10.3 B	8
9	16.3B	15.5B	24.2B	31.5	20.0	16.7	18.2 A	11.0 E	19.4	18.6	19.1	13.7 B	9
10	16.3B	15.3B	24.4B	31.9	20.9	16.8	17.9 E	11.0 E	20.9	19.3	19.3	15.6 B	10
11	16.1B	15.3B	24.7B	28.6	20.5	16.6	17.6 E	10.6 A	29.4	19.1	19.5	16.4 B	11
12	15.3B	15.3B	24.8B	24.7	23.6	16.2	17.1 E	10.5 A	42.2	19.1	19.4	16.2 B	12
13	15.6B	15.2B	24.8B	22.0	23.7	16.0	16.6 E	10.2	44.4	19.0	20.2	13.9 B	13
14	15.2B	14.7B	24.8B	25.7	19.2	16.8	16.1 E	9.30	47.0	19.0	21.9	13.7 B	14
15	15.3B	14.5B	25.3B	27.9	22.2	17.3	15.7 E	8.75	23.9	19.0	23.3	13.5 B	15
16	15.7B	14.7B	25.6B	26.9	21.7	17.2	14.9 E	8.55	13.5	19.0	24.0	14.9 B	16
17	16.2B	14.3B	26.4B	26.9	18.3	17.2	13.1 E	8.10	13.0	19.4	23.9	14.4 B	17
18	16.8B	14.1B	28.1B	26.3	17.1	17.1	12.5 E	7.81	11.3	20.6	23.4	12.7 B	18
19	17.6B	13.3B	28.9B	26.0	16.9	16.9	11.8 E	7.46	11.7	20.2	23.7 B	11.2 B	19
20	17.2B	13.3B	28.5B	25.8	16.4	16.6	11.2 E	7.14	12.4	19.0	19.4 B	12.2 B	20
21	16.6B	15.0B	30.1B	24.7	15.6	16.9	10.8 E	6.95	11.9	19.8	15.1 B	15.1 B	21
22	17.1B	15.3B	29.2B	23.8	14.5	17.4	10.4 E	6.84	11.2	20.1	11.9 B	15.8 B	22
23	16.7B	16.2B	29.3B	21.1	13.9	18.0	10.0 E	6.85	10.7	20.8	12.0 B	15.0 B	23
24	16.8B	17.6B	28.4B	14.3	14.8	19.4	9.70E	6.98	10.2	20.4	10.7 B	15.4 B	24
25	17.0B	18.9B	26.4B	10.5	16.0	20.4A	9.51E	7.08	10.9	19.3	10.3 B	15.4 B	25
26	17.0B	25.3B	25.5B	9.07	16.1	20.0E	9.37E	8.21	12.7	15.5	12.3 B	13.7 B	26
27	17.2B	26.0B	23.5B	8.24	14.8	19.6E	9.37E	11.9	12.6	22.2	9.54B	13.0 B	27
28	17.0B	32.1B	22.4B	9.72	12.6	19.0E	9.23E	22.9	13.0	23.7	7.81B	13.5 B	28
29	16.4B		25.0B	8.80A	14.2	18.5E	9.18E	31.7	13.2	20.8	7.09B	13.4 B	29
30	15.9B		17.3B	7.63A	14.6	18.1E	9.13E	28.0	14.7	19.7	3.75B	14.2 B	30
31	15.2B		22.8B		14.5		9.18E	24.1		19.3		14.1 B	31
TOTAL	500.5	465.1	833.3	664.46	577.94	512.7	426.47	353.84	597.4	591.6	508.59	365.68	TOTAL
MEAN	16.1	16.6	26.9	22.1	18.6	17.1	13.8	11.4	19.9	19.1	17.0	11.8	MEAN
MAX	17.6	32.1	35.5	31.9	34.4	20.4	18.2	31.7	47.0	23.7	24.0	16.4	MAX
MIN	14.5	13.3	17.3	7.63	9.14	14.7	9.13	6.84	10.2	15.5	3.75	1.75	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.5
MAXIMUM DAILY, 47.0 ON SEP 14
MINIMUM DAILY, 1.75B ON DEC 4
MAXIMUM INSTANTANEOUS,
59.1 AT 17:44 CST ON SEP 14

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 09 N
LONG 98 16 48 W
DRAINAGE AREA, 152 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	43 200	JUL	36 800
FEB	40 200	AUG	30 600
MAR	72 000	SEP	51 600
APR	57 400	OCT	51 100
MAY	49 900	NOV	43 900
JUN	44 300	DEC	31 600

TOTAL DISCHARGE, 553 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05ME001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.19B	6.20B	5.61B	2.78	0.744	0.587	0.528	0.662	1.38	5.57	7.32	7.78B	1
2	7.79B	6.38B	4.96B	2.76	0.755	0.553	0.679	0.624	1.37	5.54	7.27	7.67B	2
3	6.28B	6.70B	4.35B	2.66	0.686	0.535	0.739	0.571	1.33	5.66	8.10	7.56B	3
4	8.80B	6.61B	3.96B	2.54	0.800	0.626	0.635	0.600	1.25	5.52	8.76	7.45B	4
5	9.28B	6.88B	2.80B	2.35	0.816	0.683	0.553	0.695	1.34	5.52	8.78	7.34B	5
6	8.87B	6.73B	2.93B	2.27	0.732	0.597	0.475	0.691	1.41	5.42	8.86	7.24B	6
7	7.60B	5.66B	3.00B	2.19	0.689	0.584	0.472	0.658	1.36	5.36	8.86	7.67B	7
8	8.20B	5.83B	3.21B	2.07	0.690	0.558	0.448	0.619	1.28	5.43	8.82	7.10B	8
9	7.20B	6.48B	3.37B	1.96	0.650	0.547	0.441	0.548	1.30	5.45	8.80	6.38B	9
10	7.62B	6.17B	3.54B	2.01	0.634	0.514	0.454	0.537	1.28	5.37	8.80	6.72B	10
11	8.59B	6.32B	3.63B	1.85	0.678	0.486	0.474	0.518	1.25	5.35	8.85	6.37B	11
12	9.01B	6.55B	3.93B	1.86	0.657	0.461	0.485	0.510	1.30	5.47	8.83	5.84B	12
13	8.58B	6.88B	1.27B	1.90	0.635	0.472	0.536	0.478	1.32	5.64	8.88	6.28B	13
14	8.38B	7.03B	1.07B	1.71	0.618	0.757	0.915	0.452	1.36	5.39	8.84	5.83B	14
15	8.09B	7.17B	1.10B	1.71	0.617	1.04	1.21	0.430	1.56	5.32	8.90	6.01B	15
16	5.99B	7.15B	1.35B	1.73	0.566	1.02	1.30	0.447	3.50	5.30	8.90	7.63B	16
17	5.67B	7.10B	1.90B	1.72	0.556	0.939	1.09	0.467	3.62	5.35	8.77	9.56B	17
18	5.85B	7.48B	1.66B	1.67	0.549	0.843	0.907	0.511	3.56	5.24	8.68	9.97B	18
19	5.88B	7.87B	1.95B	1.62	0.521	0.732	0.738	0.499	3.47	5.30	8.78	10.3 B	19
20	5.62B	8.62B	2.27B	1.55	0.531	0.651	0.626	0.422	3.39	5.27	8.92	10.0 B	20
21	6.35B	9.76B	2.41B	1.75	0.558	0.636	0.564	0.609	3.37	4.39	8.72	9.40B	21
22	6.07B	9.57B	2.33B	1.64	0.543	0.789	0.610	1.19	3.30	5.18	8.50	9.19B	22
23	6.06B	9.75B	2.30	1.57	0.546	0.969	0.678	1.24	3.57	5.25	8.18	8.98B	23
24	6.22B	9.49B	2.31	1.54	0.649	1.02	0.668	1.27	4.17	5.39	8.19	8.80B	24
25	6.22B	8.74B	2.18	1.59	0.704	0.920	0.654	1.30	4.35	5.23	8.22	8.61B	25
26	6.18B	8.48B	1.98	1.03	0.658	0.721	0.628	1.30	4.73	5.36	8.18	8.62B	26
27	5.98B	9.01B	2.26	0.821	0.644	0.648	0.599	1.30	4.30	5.24	8.19	8.61B	27
28	5.94B	6.78B	2.76	0.790	0.606	0.608	0.571	1.21	4.22	6.22	8.06B	7.85B	28
29	5.81B		2.43	0.859	0.776	0.587	0.584	1.19	4.86	7.22	7.97B	7.97B	29
30	6.37B		2.75	0.869	0.734	0.545	0.606	1.20	5.87	7.34	7.86B	8.23B	30
31	7.07B		3.06		0.627		0.650	1.34		7.35		8.79B	31
TOTAL	219.76	207.39	84.63	53.369	20.169	20.628	20.517	24.088	80.37	172.64	254.79	245.75	TOTAL
MEAN	7.09	7.41	2.73	1.78	0.651	0.688	0.662	0.777	2.68	5.57	8.49	7.93	MEAN
MAX	9.28	9.76	5.61	2.78	0.816	1.04	1.30	1.34	5.87	7.35	8.92	10.3	MAX
MIN	5.62	5.66	1.07	0.790	0.521	0.461	0.441	0.422	1.25	4.39	7.27	5.83	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.85
MAXIMUM DAILY, 10.3B ON DEC 19
MINIMUM DAILY, 0.422 ON AUG 20
MAXIMUM INSTANTANEOUS,
10.5B AT 11:35 CST ON DEC 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 35 N
LONG 101 26 10 W
DRAINAGE AREA, 19 300 km²

B - ICE CONDITIONS

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 000	JUL	1 770
FEB	17 900	AUG	2 080
MAR	7 310	SEP	6 940
APR	4 610	OCT	14 900
MAY	1 740	NOV	22 000
JUN	1 780	DEC	21 200

TOTAL DISCHARGE, 121 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO. 05KG005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	291.839	---	---	291.831	---	291.648	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	291.829	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	291.834	---	---	291.894	---	---	---	---	291.647	4
5	---	---	---	---	---	291.887	---	---	291.724	---	291.645	---	5
6	---	291.844	---	---	---	---	---	---	---	---	---	---	6
7	---	---	291.849	---	---	---	---	291.823	---	---	---	---	7
8	---	---	---	---	291.871	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	291.848	---	---	---	---	---	---	---	---	291.639	---	---	10
11	---	---	---	291.862	---	---	291.855	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	291.701	---	---	291.660	12
13	---	---	---	---	---	291.908	---	---	---	---	---	---	13
14	---	291.849	291.843	---	---	---	---	---	---	---	291.647	---	14
15	---	---	---	---	291.879	---	---	291.768	---	---	---	---	15
16	291.841	---	---	291.843	---	---	---	---	---	---	---	---	16
17	---	---	291.849	---	---	---	291.854	---	---	291.663	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	291.672	---	---	291.663	19
20	---	291.860	---	---	---	291.911	---	---	---	---	---	---	20
21	---	---	291.842	---	---	---	291.842	---	---	---	291.647	---	21
22	---	---	---	---	---	291.908	---	291.765	---	---	---	---	22
23	291.839	---	---	---	291.894	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	291.672	291.654	---	---	24
25	---	---	---	291.852	---	---	291.846	---	---	---	---	---	25
26	---	---	291.838	---	---	---	---	---	291.667	---	---	291.685	26
27	---	---	---	---	---	291.884	---	---	---	---	291.645	---	27
28	---	291.850	---	---	291.883	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	291.734	---	---	---	---	29
30	291.844		---	---	---	---	---	---	---	---	---	291.680	30
31	---		---		---		---	---		291.660		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 291.911 ON JUN 20
MINIMUM DAILY, 291.639 ON OCT 10
MAXIMUM INSTANTANEOUS,
291.942 AT 22:37 CST ON MAY 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

REGULATED

BACK LAKE NEAR OXFORD HOUSE - STATION NO. 04AA003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.286	187.255	187.232	187.176	187.116	187.349	187.537	187.377	187.216A	187.120	187.276	---	1
2	187.277	187.253	187.231	187.173	187.114	187.348	187.538	187.381	---	187.124	187.273	---	2
3	187.279	187.249	187.226	187.174	187.120	187.344	187.541	187.379	---	187.131	187.271	---	3
4	187.270	187.250	187.227	187.171	187.118	187.342	187.539	187.377	---	187.130	187.252	---	4
5	187.272	187.248	187.229	187.175	187.116	187.345	187.537	187.374	---	187.131	187.273	---	5
6	187.278	187.246	187.230	187.158	187.127	187.334	187.524	187.361	---	187.132	187.286	---	6
7	187.275	187.247	187.227	187.154	187.139	187.328	187.509	187.361	---	187.124	187.293	---	7
8	187.274	187.242	187.226	187.164	187.144	187.336	187.512	187.355	---	187.116	187.296	---	8
9	187.276	187.242	187.232	187.158	187.158	187.333	187.560	187.348	---	187.090	187.258	---	9
10	187.277	187.239	187.229	187.142	187.175	187.336	187.523	187.347	---	187.110	187.239	---	10
11	187.274	187.237	187.227	187.142	187.191	187.333	187.500	187.342	---	187.128	187.274A	---	11
12	187.276	187.239	187.224	187.145	187.203	187.325	187.490	187.325	---	187.151	---	---	12
13	187.289	187.238	187.223	187.141	187.220	187.323	187.486	187.333	---	187.177	---	---	13
14	187.289	187.232	187.218	187.136	187.236	187.310	187.465	187.331	---	187.176	---	---	14
15	187.290	187.239	187.213	187.131	187.246	187.290	187.457	187.311	---	187.181	---	---	15
16	187.291	187.249	187.213	187.124	187.272	187.295	187.437	187.310	---	187.185	---	---	16
17	187.291	187.250	187.210	187.106	187.282	187.295	187.447	187.309	---	187.188	---	---	17
18	187.292	187.247	187.210	187.119	187.293	187.357	187.449	187.295	---	187.181	---	---	18
19	187.285	187.247	187.208	187.112	187.302	187.411	187.429	187.289	---	187.199	---	---	19
20	187.284	187.244	187.209	187.112	187.312	187.438	187.420	187.285	---	187.201	---	---	20
21	187.287	187.247	187.204	187.113	187.319	187.465	187.421	187.280	---	187.241	---	---	21
22	187.284	187.252	187.203	187.130	187.318	187.480	187.421	187.282	187.108A	187.214	---	---	22
23	187.279	187.245	187.206	187.130	187.318	187.489	187.403	187.258	187.102	187.213	---	---	23
24	187.273	187.245	187.198	187.127	187.327	187.484	187.393	187.252	187.125	187.216	---	---	24
25	187.271	187.239	187.195	187.125	187.334	187.500	187.402	187.256	187.100	187.210	---	---	25
26	187.268	187.234	187.191	187.128	187.335	187.514	187.404	187.247	187.079	187.192	---	---	26
27	187.276	187.232	187.193	187.127	187.338	187.516	187.400	187.242	187.064	187.196	---	---	27
28	187.271	187.232	187.188	187.124	187.333	187.527	187.393	187.240	187.109	187.207	---	---	28
29	187.259		187.184	187.118	187.332	187.525	187.383	187.231	187.129	187.202	---	---	29
30	187.260		187.179	187.118	187.341	187.529	187.349	187.191	187.126	187.220	---	---	30
31	187.259		187.166		187.345		187.356	187.211		187.253		---	31
MEAN	187.278	187.244	187.211	187.138	187.243	187.393	187.459	187.306	---	187.172	---	---	MEAN
MAX	187.292	187.255	187.232	187.176	187.345	187.529	187.560	187.381	---	187.253	---	---	MAX
MIN	187.259	187.232	187.166	187.106	187.114	187.290	187.383	187.191	---	187.090	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 187.560 ON JUL 9
MINIMUM DAILY, 187.064 ON SEP 27
MAXIMUM INSTANTANEOUS,
187.580 AT 17:08 CST ON JUL 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -158.967 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 30 N
LONG 95 14 50 W

A - MANUAL GAUGE

NATURAL FLOW

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 050A007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.014B	0.006B	1.52 B	1.61	0.311	0.396	0.143	0.015	0.092	0.014	0.069	0.044B	1
2	0.013B	0.006B	1.46 B	1.48	0.301	0.418	0.161	0.013	0.027	0.013	0.068	0.041B	2
3	0.013B	0.005B	1.04 B	1.34	0.358	0.368	0.142	0.013	0.023	0.020	0.066	0.040B	3
4	0.012B	0.005B	0.809B	1.16	0.334	0.284	0.127	0.012	0.016	0.023	0.181	0.040B	4
5	0.012B	0.005B	0.846B	1.02	0.302	0.301	0.110	0.012	0.014	0.023	0.207	0.053B	5
6	0.012B	0.005B	0.636B	0.950	0.279	0.270	0.100	0.010	0.023	0.017	0.170	0.064B	6
7	0.011B	0.005B	0.489B	0.866	0.268	0.233	0.088	0.010	0.023	0.025	0.132	0.062B	7
8	0.011B	0.004B	0.467B	0.735	0.267	0.228	0.068	0.010	0.018	0.023	0.107	0.057B	8
9	0.011B	0.004B	0.487B	0.652	0.239	0.209	0.069	0.010	0.015	0.029	0.101	0.055B	9
10	0.010B	0.004B	0.515B	0.601	0.244	0.181	0.062	0.010	0.012	0.044	0.093	0.053B	10
11	0.010B	0.004B	0.766B	0.506	0.225	0.161	0.063	0.010	0.012	0.047	0.090	0.053B	11
12	0.010B	0.004B	1.54 B	0.457	0.235	0.143	0.068	0.011	0.012	0.055	0.092	0.052B	12
13	0.009B	0.004B	1.93 B	0.439	0.231	0.136	0.066	0.010	0.014	0.052	0.085	0.051B	13
14	0.009B	0.004B	2.23 B	0.336	0.226	0.143	0.056	0.008	0.015	0.052	0.084	0.048B	14
15	0.009B	0.005B	2.22 B	0.309	0.212	0.155	0.057	0.007	0.014	0.048	0.083	0.044B	15
16	0.008B	0.006B	2.63 B	0.318	0.199	0.159	0.050	0.007	0.013	0.038	0.077	0.039B	16
17	0.008B	0.008B	3.37 B	0.295	0.184	0.150	0.041	0.006	0.014	0.038	0.071	0.035B	17
18	0.008B	0.010B	3.32 B	0.259	0.163	0.134	0.034	0.006	0.014	0.046	0.062	0.030B	18
19	0.007B	0.011B	3.07 B	0.206	0.154	0.126	0.027	0.005	0.014	0.052	0.060	0.027B	19
20	0.007B	1.37 B	2.82 B	0.198	0.138	0.117	0.027	0.005	0.013	0.057	0.056	0.026B	20
21	0.007B	3.49 B	2.56 B	0.214	0.118	0.143	0.026	0.005	0.013	0.051	0.052	0.026B	21
22	0.007B	3.53 B	2.13 B	0.239	0.132	0.199	0.026	0.006	0.013	0.044	0.049	0.026B	22
23	0.006B	3.40 B	1.90 B	0.242	0.175	0.211	0.025	0.018	0.012	0.043	0.049	0.025B	23
24	0.006B	2.33 B	1.95 B	0.218	0.229	0.204	0.025	0.186	0.010	0.050	0.049	0.024B	24
25	0.006B	4.65 B	1.90 B	0.227	0.239	0.186	0.024	0.152	0.012	0.051	0.051	0.024B	25
26	0.006B	2.39 B	1.71	0.224	0.269	0.160	0.023	0.072	0.012	0.056	0.055	0.023B	26
27	0.006B	2.33 B	1.67	0.228	0.416	0.101	0.023	0.037	0.012	0.060	0.054	0.023B	27
28	0.006B	1.52 B	1.89	0.245	0.530	0.137	0.021	0.023	0.013	0.065	0.054	0.023B	28
29	0.006B		1.94	0.263	0.535	0.147	0.017	0.025	0.013	0.071	0.049	0.023B	29
30	0.006B		1.96	0.290	0.549	0.138	0.016	0.028	0.014	0.071	0.045	0.023B	30
31	0.006B		1.88		0.487		0.016	0.041		0.070		0.022B	31
TOTAL	0.272	25.115	53.655	16.127	8.549	5.938	1.801	0.783	0.522	1.348	2.461	1.176	TOTAL
MEAN	0.009	0.897	1.73	0.538	0.276	0.198	0.058	0.025	0.017	0.043	0.082	0.038	MEAN
MAX	0.014	4.65	3.37	1.61	0.549	0.418	0.161	0.186	0.092	0.071	0.207	0.064	MAX
MIN	0.006	0.004	0.467	0.198	0.118	0.101	0.016	0.005	0.010	0.013	0.045	0.022	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.323
MAXIMUM DAILY, 4.65B ON FEB 25
MINIMUM DAILY, 0.004B ON FEB 8
MAXIMUM INSTANTANEOUS,
5.34B AT 02:05 CST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 16 N
LONG 99 19 22 W
DRAINAGE AREA, 1 520 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23.5	JUL	156
FEB	2 170	AUG	67.7
MAR	4 640	SEP	45.1
APR	1 390	OCT	116
MAY	739	NOV	213
JUN	513	DEC	102

TOTAL DISCHARGE, 10 200 dam³

BALD HILL CREEK NEAR MCCREARY - STATION NO. 05LJ043

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	0.018	0.007	0.001	0	0.001	0.009	---	---	1
2	---	---	---	---	0.016	0.004	0.001	0	0	0.005	---	---	2
3	---	---	---	---	0.016	0.003	0.001	0	0	0.003	---	---	3
4	---	---	---	---	0.017	0.003	0.001	0	0	0.003	---	---	4
5	---	---	---	---	0.017	0.005	0	0.002	0	0.006	---	---	5
6	---	---	---	---	0.014	0.003	0	0.003	0	0.004	---	---	6
7	---	---	---	---	0.013	0.002	0.001	0.001	0	0.003	---	---	7
8	---	---	---	---	0.011	0.002	0.002	0.001	0	0.003	---	---	8
9	---	---	---	---	0.010	0.003	0.001	0.001	0	0.003	---	---	9
10	---	---	---	---	0.009	0.007	0.001	0.002	0	0.003	---	---	10
11	---	---	---	---	0.008	0.004	0.001	0.001	0	0.002	---	---	11
12	---	---	---	---	0.007	0.002	0	0.001	0	0.006	---	---	12
13	---	---	---	---	0.007	0.008	0	0	0	---	---	---	13
14	---	---	---	---	0.007	0.076	0	0	0	---	---	---	14
15	---	---	---	---	0.007	0.105	0	0	0	---	---	---	15
16	---	---	---	---	0.006	0.119	0.001	0	0	---	---	---	16
17	---	---	---	---	0.005	0.102	0	0	0	---	---	---	17
18	---	---	---	---	0.004	0.100	0	0	0	---	---	---	18
19	---	---	---	---	0.004	0.058	0	0	0	---	---	---	19
20	---	---	---	---	0.003	0.023	0	0	0	---	---	---	20
21	---	---	---	---	0.003	0.023	0	0	0	---	---	---	21
22	---	---	---	---	0.043	0.051	0	0	0	---	---	---	22
23	---	---	---	---	0.076	0.051	0	0	0	---	---	---	23
24	---	---	---	---	0.091	0.079	0	0	0	---	---	---	24
25	---	---	---	---	0.101	0.029	0	0	0	---	---	---	25
26	---	---	---	---	0.069	0.010	0	0	0.008	---	---	---	26
27	---	---	---	---	0.015	0.005	0	0	0.008	---	---	---	27
28	---	---	---	0.018	0.010	0.003	0	0	0.004	---	---	---	28
29	---		---	0.017	0.033	0.002	0	0	0.003	---	---	---	29
30	---		---	0.019	0.028	0.002	0	0	0.009	---	---	---	30
31	---		---		0.013		0	0.001		---		---	31
TOTAL	---	---	---	---	0.681	0.891	0.011	0.013	0.033	---	---	---	TOTAL
MEAN	---	---	---	---	0.022	0.030	0	0	0.001	---	---	---	MEAN
MAX	---	---	---	---	0.101	0.119	0.002	0.003	0.009	---	---	---	MAX
MIN	---	---	---	---	0.003	0.002	0	0	0	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 0.119 ON JUN 16
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
0.122 AT 09:15 CST ON JUN 16

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 16 N
LONG 99 40 00 W
DRAINAGE AREA, 2.36 km²

REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.95
FEB	---	AUG	1.12
MAR	---	SEP	2.85
APR	---	OCT	---
MAY	58.8	NOV	---
JUN	77.0	DEC	---

BALD HILL RESERVOIR NEAR MCCREARY - STATION NO. 05LJ041

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	708.963	708.937	708.906	708.888	708.903	708.942	---	---	1
2	---	---	---	---	708.958	708.924	708.906	708.890	708.898	708.930	---	---	2
3	---	---	---	---	708.957	708.917	708.905	708.898	708.896	708.922	---	---	3
4	---	---	---	---	708.959	708.919	708.903	708.898	708.895	708.924	---	---	4
5	---	---	---	---	708.958	708.931	708.898	708.907	708.894	708.933	---	---	5
6	---	---	---	---	708.951	708.920	708.899	708.916	708.897	708.927	---	---	6
7	---	---	---	---	708.946	708.913	708.899	708.905	708.898	708.922	---	---	7
8	---	---	---	---	708.942	708.914	708.912	708.906	708.895	708.920	---	---	8
9	---	---	---	---	708.938	708.922	708.907	708.905	708.894	708.920	---	---	9
10	---	---	---	---	708.933	708.935	708.900	708.911	708.894	708.919	---	---	10
11	---	---	---	---	708.929	708.925	708.901	708.905	708.885	708.915	---	---	11
12	---	---	---	---	708.928	708.914	708.897	708.900	708.877	708.930	---	---	12
13	---	---	---	---	708.926	708.923	708.897	708.898	708.861	---	---	---	13
14	---	---	---	---	708.927	709.057	708.893	708.896	708.852	---	---	---	14
15	---	---	---	---	708.926	710.084	708.897	708.896	708.858	---	---	---	15
16	---	---	---	---	708.923	710.574	708.900	708.890	708.864	---	---	---	16
17	---	---	---	---	708.920	709.906	708.898	708.892	708.877	---	---	---	17
18	---	---	---	---	708.915	709.943	708.899	708.896	708.880	---	---	---	18
19	---	---	---	---	708.915	709.329	708.895	708.893	708.873	---	---	---	19
20	---	---	---	---	708.914	708.988	708.893	708.894	708.867	---	---	---	20
21	---	---	---	---	708.909	708.989	708.894	708.893	708.869	---	---	---	21
22	---	---	---	---	709.076	709.067	708.895	708.890	708.893	---	---	---	22
23	---	---	---	---	709.137	709.009	708.895	708.888	708.898	---	---	---	23
24	---	---	---	---	709.616	709.204	708.894	708.889	708.896	---	---	---	24
25	---	---	---	---	709.929	708.973	708.892	708.890	708.897	---	---	---	25
26	---	---	---	---	709.471	708.946	708.892	708.888	708.940	---	---	---	26
27	---	---	---	---	708.964	708.931	708.886	708.892	708.940	---	---	---	27
28	---	---	---	708.961	708.948	708.922	708.884	708.889	708.927	---	---	---	28
29	---		---	708.961	709.022	708.915	708.877	708.883	708.923	---	---	---	29
30	---		---	708.967	709.003	708.913	708.885	708.877	708.943	---	---	---	30
31	---		---		708.957		708.890	708.901		---		---	31
MEAN	---	---	---	---	709.025	709.125	708.896	708.896	708.893	---	---	---	MEAN
MAX	---	---	---	---	709.929	710.574	708.912	708.916	708.943	---	---	---	MAX
MIN	---	---	---	---	708.909	708.913	708.877	708.877	708.852	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 710.574 ON JUN 16

MAXIMUM INSTANTANEOUS,
710.671 AT 04:31 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 16 N
LONG 99 40 00 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO. 06EB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.8	10.4	8.28	6.09	5.55	11.5	9.94	8.47	5.21	3.84	5.60	4.78	1
2	14.5	10.3	7.87	6.26	5.75	11.2	10.1	8.44	5.18	3.67	5.43	4.87	2
3	14.1	10.1	7.92	6.14	5.88	11.2	9.99	8.41	5.58	3.61	5.41	4.75	3
4	13.9	10.0	7.99	6.06	6.04	11.0	9.95	8.51	5.43	3.64	5.24	4.71	4
5	13.8	9.96	8.02	6.01	6.09	11.2	9.87	8.55	5.37	3.56	5.16	4.58	5
6	13.7	9.78	7.78	5.94	6.34	11.0	9.22	8.38	5.38	3.97	5.19	4.55	6
7	13.6	9.72	7.58	6.01	7.11	11.3	9.20	8.28	5.30	4.57	5.22	4.50	7
8	13.5	9.63	7.65	6.02	8.19	11.6	9.50	8.18	5.24	4.34	5.13	4.53	8
9	13.5	9.43	7.71	6.07	9.62	11.8	9.50	7.87	5.19	4.24	4.81	4.50	9
10	13.3	9.35	7.56	6.08	11.0	12.0	8.96	7.91	5.14	4.41	5.05	4.50	10
11	13.1	9.14	7.46	5.79	12.1	11.8	8.94	7.76	5.15	4.84	5.08	4.65	11
12	13.2	9.04	7.50	5.86	13.5	12.0	8.91	7.53	5.14	4.91	5.02	4.63	12
13	13.1	8.95	7.30	5.96	15.7	11.8	8.89	7.35	5.02	5.01	4.93	4.50	13
14	13.1	8.97	7.28	5.79	18.0	11.7	8.87	7.12	4.95	5.14	4.82	4.51	14
15	12.6	9.09	7.18	5.84	18.9	11.7	8.40	6.86	4.86	5.52	4.86	4.46	15
16	12.5	9.00	7.07	5.81	19.0	11.7	8.47	6.83	4.83	5.57	5.11	4.65	16
17	12.5	8.84	6.92	5.77	18.4	11.3	8.56	6.66	4.78	5.60	5.20	4.39	17
18	12.4	8.87	6.72	5.75	17.3	11.3	8.38	6.47	4.67	5.75	5.15	4.33	18
19	12.2	8.81	6.52	5.62	16.5	11.0	8.24	6.36	4.52	5.83	5.14	4.05	19
20	12.0	8.79	6.59	5.71	16.1	11.0	8.17	6.28	4.44	5.88	5.04	4.09	20
21	12.0	8.78	6.62	5.67	15.6	10.9	8.15	6.25	4.43	6.03	5.06	4.17	21
22	11.7	8.82	6.69	5.61	14.9	10.8	7.96	6.19	4.32	6.01	5.02	4.24	22
23	11.7	8.70	6.42	5.56	14.5	10.5	8.12	5.82	4.41	6.00	5.00	4.16	23
24	11.4	8.68	6.48	5.54	14.3	10.4	8.50	5.68	4.39	5.80	4.99	3.97	24
25	11.4	8.49	6.39	5.60	13.8	10.2	8.75	5.70	4.22	5.70	5.11	3.99	25
26	11.2	8.44	6.30	5.63	13.5	10.3	8.87	5.68	4.03	5.76	4.98	3.94	26
27	11.0	8.27	6.29	5.54	13.1	10.2	8.81	5.69	4.21	5.91	5.05	3.97	27
28	10.9	8.36	6.26	5.48	12.7	10.2	8.89	5.59	4.07	5.75	5.02	3.98	28
29	10.8		6.23	5.46	12.5	10.1	8.83	5.38	3.97	5.45	4.90	4.00	29
30	10.6		6.21	5.46	11.9	9.98	8.55	5.15	3.84	5.47	4.93	4.03	30
31	10.5		6.17		11.6		8.48	5.24		5.64		3.93	31
TOTAL	388.6	256.71	218.96	174.13	385.47	332.68	275.97	214.59	143.27	157.42	152.65	134.91	TOTAL
MEAN	12.5	9.17	7.06	5.80	12.4	11.1	8.90	6.92	4.78	5.08	5.09	4.35	MEAN
MAX	14.8	10.4	8.28	6.26	19.0	12.0	10.1	8.55	5.58	6.03	5.60	4.87	MAX
MIN	10.5	8.27	6.17	5.46	5.55	9.98	7.96	5.15	3.84	3.56	4.81	3.93	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.77
MAXIMUM DAILY, 19.0 ON MAY 16
MINIMUM DAILY, 3.56 ON OCT 5
MAXIMUM INSTANTANEOUS,
19.2 AT 09:56 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 45 50 N
LONG 99 58 25 W
DRAINAGE AREA, 1 770 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	33 600	JUL	23 800
FEB	22 200	AUG	18 500
MAR	18 900	SEP	12 400
APR	15 000	OCT	13 600
MAY	33 300	NOV	13 200
JUN	28 700	DEC	11 700

TOTAL DISCHARGE, 245 000 dam³

BEAVER CREEK EAST OF BEAVER - STATION NO. 05LL028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.129B	0.094	0.365	0.006	0	0	0	---	---	1
2	---	---	0 B	0.125B	0.103	0.679	0	0	0	0	---	---	2
3	---	---	0 B	0.125B	0.125	0.509	0	0	0	0	---	---	3
4	---	---	0 B	0.121B	0.183	0.443	0	0	0	0.027	---	---	4
5	---	---	0 B	0.121B	0.230	0.400	0	0	0	0.007	---	---	5
6	---	---	0 B	0.117	0.216	0.284	0	0	0	0	---	---	6
7	---	---	0 B	0.117	0.213	0.258	0	0	0	0	---	---	7
8	---	---	0 B	0.074	0.210	0.200	0	0	0	0	---	---	8
9	---	---	0.016B	0.057	0.165	0.210	0	0	0	0	---	---	9
10	---	---	0.033B	0.060	0.116	0.181	0	0	0	0.157	---	---	10
11	---	---	0.041B	0.049	0.104	0.080	0	0	0	0.316	---	---	11
12	---	---	0.044B	0.053	0.068	0.033	0	0	0	0.375	---	---	12
13	---	---	0.047B	0.043	0.063	0.025	0	0	0	0.435	---	---	13
14	---	---	0.051B	0.035	0.060	0.557	0	0	0	0.258	---	---	14
15	---	---	0.054B	0.032	0.057	0.677	0	0	0	0.132	---	---	15
16	---	---	0.054B	0.029	0.052	0.574	0	0	0	0.136	---	---	16
17	---	---	0.052B	0.024	0.048	0.535	0	0	0	0.133	---	---	17
18	---	---	0.045B	0.028	0.040	0.424	0	0	0	0.196	---	---	18
19	---	---	0.040B	0.028	0.027	0.311	0	0	0	0.360	---	---	19
20	---	---	0.029B	0.025	0.018	0.190	0	0	0	0.361	---	---	20
21	---	---	0.026B	0.026	0.012	0.106	0	0	0	0.316	---	---	21
22	---	---	0.023B	0.037	0.019	0.091	0	0	0	0.302	---	---	22
23	---	---	0.023B	0.035	0.028	0.090	0	0	0	0.290	---	---	23
24	---	---	0.026B	0.039	0.037	0.084	0	0	0	0.282	---	---	24
25	---	---	0.033B	0.042	0.037	0.142	0	0	0	0.271	---	---	25
26	---	---	0.052B	0.041	0.041	0.177	0	0	0.010	0.192	---	---	26
27	---	---	0.064B	0.046	0.052	0.032	0	0	0	0.108	---	---	27
28	---	---	0.085B	0.061	0.049	0.008	0	0	0	0.090	---	---	28
29	---		0.096B	0.075	0.174	0.022	0	0	0	0.061	---	---	29
30	---		0.111B	0.078	0.478	0.015	0	0	0	0.054	---	---	30
31	---		0.125B		0.454		0	0		0.043		---	31
TOTAL	---	---	1.170	1.872	3.573	7.702	0.006	0	0.010	4.902	---	---	TOTAL
MEAN	---	---	0.038	0.062	0.115	0.257	0	0	0	0.158	---	---	MEAN
MAX	---	---	0.125	0.129	0.478	0.679	0.006	0	0.010	0.435	---	---	MAX
MIN	---	---	0	0.024	0.012	0.008	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.079
MAXIMUM DAILY, 0.679 ON JUN 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.02 AT 02:39 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 00 N
LONG 98 37 40 W
DRAINAGE AREA, 275 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.52
FEB	---	AUG	0
MAR	101	SEP	0.86
APR	162	OCT	424
MAY	309	NOV	---
JUN	665	DEC	---

TOTAL DISCHARGE, 1 660 dam³

BEAVER LAKE NEAR PINE RIVER - STATION NO. 05LG007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	700.747	700.853	700.693	700.560	---	---	---	1
2	---	---	---	---	---	700.679	700.870	700.692	700.558	---	---	---	2
3	---	---	---	---	---	700.623	700.874	700.695	700.555	---	---	---	3
4	---	---	---	---	---	700.596	700.877	700.695	700.551	---	---	---	4
5	---	---	---	---	---	700.580	700.877	700.693	700.549	---	---	---	5
6	---	---	---	---	700.698A	700.563	700.879	700.695	700.546	---	---	---	6
7	---	---	---	---	700.678	700.561	700.878	700.700	700.548	---	---	---	7
8	---	---	---	---	700.684	700.551	700.875	700.696	700.548	---	---	---	8
9	---	---	---	---	700.688	700.547	700.874	700.698	700.555A	---	---	---	9
10	---	---	---	---	700.687	700.547	700.874	700.697	---	---	---	---	10
11	---	---	---	---	700.694	700.545	700.870	700.702	---	---	---	---	11
12	---	---	---	---	700.699	700.545	700.868	700.700	---	---	---	---	12
13	---	---	---	---	700.704	700.546	700.869	700.701	---	---	---	---	13
14	---	---	---	---	700.708	700.551	700.869	700.698	---	---	---	---	14
15	---	---	---	---	700.709	700.590	700.873	700.696	---	---	---	---	15
16	---	---	---	---	700.709	700.604	700.881	700.696	---	---	---	---	16
17	---	---	---	---	700.710	700.611	700.891	700.690	---	---	---	---	17
18	---	---	---	---	700.712	700.644	700.893	700.689	---	---	---	---	18
19	---	---	---	---	700.721	700.647	700.894	700.691	---	---	---	---	19
20	---	---	---	---	700.729	700.643	700.897	700.691	---	---	---	---	20
21	---	---	---	---	700.733	700.644	700.893	700.692	---	---	---	---	21
22	---	---	---	---	700.730	700.656	700.892	700.653	---	---	---	---	22
23	---	---	---	---	700.734	700.682	700.893	700.594	---	---	---	---	23
24	---	---	---	---	700.741	700.706	700.899	700.584	---	---	---	---	24
25	---	---	---	---	700.743	700.749	700.895	700.580	---	---	---	---	25
26	---	---	---	---	700.747	700.793	700.891	700.575	---	---	---	---	26
27	---	---	---	---	700.752	700.816	700.891	700.572	---	---	---	---	27
28	---	---	---	---	700.754	700.831	700.798	700.572	---	---	---	---	28
29	---		---	---	700.761	700.839	700.707	700.570	---	---	---	---	29
30	---		---	---	700.762	700.847	700.676	700.564	---	---	---	---	30
31	---		---		700.764		700.690	700.564		---		---	31
MEAN	---	---	---	---	---	700.649	700.860	700.659	---	---	---	---	MEAN
MAX	---	---	---	---	---	700.847	700.899	700.702	---	---	---	---	MAX
MIN	---	---	---	---	---	700.545	700.676	700.564	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 700.899 ON JUL 24

MAXIMUM INSTANTANEOUS,
700.900 AT 15:18 CST ON JUL 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 100 45 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
9.84 km²

BELL LAKE NEAR OUTLET - STATION NO. 05LF003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	679.840	680.160	680.247	680.073	679.988	---	---	1
2	---	---	---	---	---	679.842	680.168	680.261	680.060	680.020	---	---	2
3	---	---	---	---	---	679.840	680.174	680.269	680.049	680.048	---	---	3
4	---	---	---	---	---	679.840	680.171	680.269	680.030	680.074	---	---	4
5	---	---	---	---	---	679.837	680.172	680.278	680.025	680.099	---	---	5
6	---	---	---	---	---	679.832	680.171	680.288	680.016	---	---	---	6
7	---	---	---	---	---	679.828	680.165	680.297	680.004	---	---	---	7
8	---	---	---	---	679.844	679.829	680.157	680.300	679.994	---	---	---	8
9	---	---	---	---	679.844	679.829	680.149	680.299	679.991	---	---	---	9
10	---	---	---	---	679.844	679.830	680.137	680.292	679.980	---	---	---	10
11	---	---	---	---	679.843	679.822	680.126	680.286	679.968	---	---	---	11
12	---	---	---	---	679.844	679.825	680.118	680.277	679.954	---	---	---	12
13	---	---	---	---	679.838	679.821	680.108	680.272	679.940	---	---	---	13
14	---	---	---	---	679.837	679.821	680.099	680.275	679.929	---	---	---	14
15	---	---	---	---	679.833	679.831	680.098	680.272	679.919	---	---	---	15
16	---	---	---	---	679.826	679.843	680.120	680.270	679.910	---	---	---	16
17	---	---	---	---	679.824	679.858	680.146	680.273	679.898	---	---	---	17
18	---	---	---	---	679.823	679.880	680.174	680.270	679.887	---	---	---	18
19	---	---	---	---	679.822	679.908	680.197	680.261	679.886	---	---	---	19
20	---	---	---	---	679.814	679.931	680.211	680.249	679.878	---	---	---	20
21	---	---	---	---	---	679.952	680.219	680.236	679.867	---	---	---	21
22	---	---	---	---	679.832	679.971	680.224	680.222	679.858	---	---	---	22
23	---	---	---	---	679.827	679.997	680.233	680.210	679.852	---	---	---	23
24	---	---	---	---	679.624	680.030	680.238	680.192	679.849	---	---	---	24
25	---	---	---	---	679.817	680.058	680.242	680.178	679.843	---	---	---	25
26	---	---	---	---	679.814	680.083	680.240	680.159	679.849	---	---	---	26
27	---	---	---	---	679.812	680.107	680.241	680.145	679.871	---	---	---	27
28	---	---	---	---	679.819	680.130	680.238	680.132	679.894	---	---	---	28
29	---		---	---	679.828	680.141	680.232	680.117	679.923	---	---	---	29
30	---		---	---	679.834	680.153	680.230	680.101	679.956	---	---	---	30
31	---		---		679.839		680.241	680.085		---		---	31
MEAN	---	---	---	---	---	679.917	680.181	680.235	679.938	---	---	---	MEAN
MAX	---	---	---	---	---	680.153	680.242	680.300	680.073	---	---	---	MAX
MIN	---	---	---	---	---	679.821	680.098	680.085	679.843	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 680.300 ON AUG 8

MAXIMUM INSTANTANEOUS,
680.305 AT 20:53 CST ON AUG 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 30 N
LONG 101 13 40 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

REGULATED SINCE 1955

DRAINAGE AREA,
59.1 km²

BELL RIVER NEAR BELLSITE - STATION NO. 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.124B	0.267B	1.04	0.736A	1.41	1.09	0.895	1.93	---	---	1
2	---	---	0.124B	0.274B	1.12	0.710	1.53	1.13	0.945	1.65	---	---	2
3	---	---	0.124B	0.300B	1.12	0.666	1.42	1.24	0.925	1.46	---	---	3
4	---	---	0.124B	0.327B	1.07	0.642	1.22	1.72	0.919	1.25	---	---	4
5	---	---	0.124B	0.355B	1.03	0.667	1.06	1.97	0.917	1.08	---	---	5
6	---	---	0.124B	0.384B	0.988	0.629	0.964	2.02	0.919	0.969	---	---	6
7	---	---	0.124B	0.413B	0.943	0.742	0.859	1.92	0.882	0.879	---	---	7
8	---	---	0.124B	0.442B	0.885	0.878	0.831	1.76	0.866	0.796	---	---	8
9	---	---	0.124B	0.471B	0.838	1.08	0.787A	1.59	0.851	0.785	---	---	9
10	---	---	0.124B	0.500B	0.829	1.03	0.711E	1.50	0.790	0.844	---	---	10
11	---	---	0.133B	0.530B	0.793	1.02	0.685E	1.40	0.769	0.814	---	---	11
12	---	---	0.137B	0.559B	0.735	0.997	0.668E	1.36	0.760	1.78	---	---	12
13	---	---	0.149B	0.592B	0.721	0.915	0.694E	1.28	0.742	3.56	---	---	13
14	---	---	0.155B	0.626B	0.731	1.11	0.762E	1.22	0.725	2.81	---	---	14
15	---	---	0.168B	0.677B	0.721	2.28	0.965A	1.19	0.694	2.34	---	---	15
16	---	---	0.175B	0.702B	0.695	2.36	3.69	1.13	0.666	1.87	---	---	16
17	---	---	0.175B	0.643B	0.679	2.34	3.80	1.12	0.666	2.18	---	---	17
18	---	---	0.175B	0.728B	0.677A	4.42	2.49	1.23	0.635	2.18	---	---	18
19	---	---	0.175B	0.770B	0.651E	3.71	1.93	1.14	0.599	2.04	---	---	19
20	---	---	0.175B	0.728B	0.626E	3.08	1.53	1.13	0.607	1.94	---	---	20
21	---	---	0.175B	0.728B	0.609E	2.69	1.31	1.08	0.596	1.89 E	---	---	21
22	---	---	0.175B	0.728B	0.592E	2.58	1.12	1.08	0.569	1.72 E	---	---	22
23	---	---	0.175B	0.736B	0.566E	3.29	1.05	1.09	0.525	1.55 E	---	---	23
24	---	---	0.188B	0.753B	0.544E	5.77	1.02	1.06	0.480	1.38 E	---	---	24
25	---	---	0.195B	1.15	0.530E	4.10	0.899	1.04	0.483	1.24 A	---	---	25
26	---	---	0.208B	1.12	0.515E	3.03	0.793	1.03	2.21	1.64	---	---	26
27	---	---	0.215B	1.12	0.493A	2.46	0.755	0.988	4.48	1.63	---	---	27
28	---	---	0.228B	1.25	0.544E	2.11	0.677	0.956	3.44	1.49	---	---	28
29	---		0.234B	1.27	0.609E	1.82	0.625	0.927	2.57	1.14	---	---	29
30	---		0.248B	1.21	0.668E	1.59	0.760	0.912	2.20	1.20 A	---	---	30
31	---		0.254B		0.728E		1.12	0.939		1.03 E		---	31
TOTAL	---	---	5.152	20.353	23.290	59.452	38.174	39.242	33.325	49.067	---	---	TOTAL
MEAN	---	---	0.166	0.678	0.751	1.98	1.23	1.27	1.11	1.58	---	---	MEAN
MAX	---	---	0.254	1.27	1.12	5.77	3.80	2.02	4.48	3.56	---	---	MAX
MIN	---	---	0.124	0.267	0.493	0.629	0.625	0.912	0.480	0.785	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.09
MAXIMUM DAILY, 5.77 ON JUN 24
MINIMUM DAILY, 0.124B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.51 AT 23:43 CST ON JUN 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 10 N
LONG 101 02 15 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 300
FEB	---	AUG	3 390
MAR	445	SEP	2 880
APR	1 760	OCT	4 240
MAY	2 010	NOV	---
JUN	5 140	DEC	---

TOTAL DISCHARGE, 23 200 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO. 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.5B	15.8B	12.7B	11.8B	16.0	20.2	48.3	48.7	33.9	27.5	31.7	31.4B	1
2	20.2B	15.6B	12.6B	12.0B	16.4	20.4	49.0	48.5	33.4	27.5	32.1	31.4B	2
3	19.9B	15.4B	12.4B	12.1B	16.7	20.5	49.9	48.4	32.5	27.3	32.5	31.5B	3
4	19.6B	15.3B	12.3B	12.1B	17.1	20.6	50.4	47.8	32.2	27.7	32.7	31.7B	4
5	19.4B	15.2B	12.2B	12.1B	17.4	20.6	50.4	47.4	31.6	27.9	32.9	31.7B	5
6	19.1B	15.1B	12.1B	12.2B	17.7	20.9	50.3	46.9	31.4	28.0	33.0	32.1B	6
7	18.9B	14.9B	11.9B	12.4B	18.0	21.0	49.8	46.3	31.2	28.1	32.9	32.4B	7
8	18.7B	14.8B	11.9B	12.4B	18.2	21.1	49.5	46.0	31.1	28.3	32.6	32.5B	8
9	18.7B	14.7B	11.9B	12.5B	18.3	21.4	49.2	45.0	31.0	28.5	32.6	32.5B	9
10	18.5B	14.5B	11.7B	12.7B	18.5	21.3	49.0	44.5	31.1	28.8	32.4	32.7B	10
11	18.4B	14.3B	11.6B	12.7B	18.5	21.3	48.6	43.8	30.9	29.0	32.4	32.9B	11
12	18.3B	14.2B	11.5B	12.7B	18.5	21.4	47.9	43.2	30.9	29.3	32.2	32.9B	12
13	18.2B	14.1B	11.5B	12.6B	18.4	21.5	47.6	42.5	30.7	30.2	32.0	33.0B	13
14	18.1B	14.1B	11.4B	12.6B	18.4	21.5	47.3	41.6	30.5	30.9	31.8	33.1B	14
15	18.1B	14.1B	11.3B	12.6B	18.3	22.2	46.9	41.1	30.1	31.5	31.7	33.1B	15
16	18.0B	14.1B	11.2B	12.8B	18.2	23.0	47.7	40.5	29.9	32.0	31.7	33.1B	16
17	17.9B	14.0B	11.2B	13.1B	18.0	23.6	48.7	40.1	29.5	32.2	31.8	33.0B	17
18	17.8B	14.0B	11.1B	13.2	17.9	25.9	48.5	39.6	29.0	32.3	31.9	33.0B	18
19	17.6B	13.9B	11.0B	13.1	17.7	27.8	48.3	39.2	28.7	32.4	31.7	32.9B	19
20	17.4B	13.8B	11.0B	13.1	17.7	28.9	47.8	39.6	28.3	32.1	31.6	33.0B	20
21	17.3B	13.7B	11.0B	13.2	17.5	29.9	47.6	39.2	27.8	31.8	31.4B	33.1B	21
22	17.2B	13.6B	10.9B	13.4	17.4	30.7	47.3	38.8	27.3	31.3	31.2B	33.1B	22
23	17.1B	13.5B	10.8B	13.6	17.8	31.5	47.3	38.3	26.9	30.9	31.2B	33.0B	23
24	17.0B	13.4B	10.8B	13.8	18.2	33.0	48.3	37.7	26.6	30.3	31.2B	33.2B	24
25	16.7B	13.2B	10.7B	13.9	18.6	36.9	48.1	37.1	26.5	29.9	31.1B	33.4B	25
26	16.6B	13.1B	10.8B	14.4	18.7	39.4	47.8	36.4	27.1	29.8	31.1B	33.0B	26
27	16.5B	13.0B	10.8B	14.8	18.9	41.2	47.5	35.7	27.5	29.6	31.1B	32.6B	27
28	16.3B	12.8B	11.0B	15.2	19.1	43.2	47.1	35.1	27.8	29.2	31.1B	32.2B	28
29	16.1B		11.2B	15.5	19.3	45.3	46.5	34.3	27.7	29.1	31.2B	32.2B	29
30	16.0B		11.4B	15.7	19.7	47.0	46.8	33.6	27.7	29.1	31.3B	31.6B	30
31	15.9B		11.7B		20.0		48.5	33.5		30.6		31.6B	31
TOTAL	556.0	398.2	355.6	394.3	561.1	823.2	1 497.9	1 280.4	890.8	923.1	956.1	1 008.9	TOTAL
MEAN	17.9	14.2	11.5	13.1	18.1	27.4	48.3	41.3	29.7	29.8	31.9	32.5	MEAN
MAX	20.5	15.8	12.7	15.7	20.0	47.0	50.4	48.7	33.9	32.4	33.0	33.4	MAX
MIN	15.9	12.8	10.7	11.8	16.0	20.2	46.5	33.5	26.5	27.3	31.1	31.4	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.4
MAXIMUM DAILY, 50.4 ON JUL 4
MINIMUM DAILY, 10.7B ON MAR 25
MAXIMUM INSTANTANEOUS,
55.6 AT 11:48 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 96 06 10 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	48 000	JUL	129 000
FEB	34 400	AUG	111 000
MAR	30 700	SEP	77 000
APR	34 100	OCT	79 800
MAY	48 500	NOV	82 600
JUN	71 100	DEC	87 200

TOTAL DISCHARGE, 833 000 dam³

BIG GRASS RIVER NEAR GLENELLA - STATION NO. 05LL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	1.26 B	0.577	0.950E	0.490	0.166	0.025	0	---	---	1
2	---	---	0.020B	1.29 B	0.551	0.911E	0.452	0.122	0.018	0	---	---	2
3	---	---	0.020B	1.31 B	0.589	0.863A	0.380	0.142	0.009	0	---	---	3
4	---	---	0.021B	1.32 B	0.580	0.790E	0.315	0.138	0.011	0	---	---	4
5	---	---	0.021B	1.32 B	0.560A	0.733E	0.247	0.157	0.009	0	---	---	5
6	---	---	0.021B	1.31 B	0.544E	0.671E	0.199	0.100	0.008	0.004	---	---	6
7	---	---	0.022B	1.28	0.524E	0.608E	0.183	0.075	0.007	0.017	---	---	7
8	---	---	0.022B	1.10	0.502E	0.560E	0.199	0.140	0.006	0.043	---	---	8
9	---	---	0.022B	0.951	0.483E	0.521E	0.162	0.203	0.005	0.079	---	---	9
10	---	---	0.023B	0.882	0.465E	0.518E	0.127	0.226	0.002	0.108	---	---	10
11	---	---	0.023B	0.781	0.443E	0.433E	0.197	0.185	0	0.115	---	---	11
12	---	---	0.055B	0.635	0.420E	0.420E	0.214	0.128	0	0.146	---	---	12
13	---	---	0.251B	0.635	0.393E	0.417E	0.167	0.072	0	0.140	---	---	13
14	---	---	0.445B	0.608A	0.363E	0.423E	0.129	0.025	0	0.175	---	---	14
15	---	---	0.611B	0.556E	0.348E	0.515E	0.146	0.018	0	0.267	---	---	15
16	---	---	0.815B	0.505E	0.320E	0.620E	0.325	0.028	0	0.331	---	---	16
17	---	---	0.993B	0.455A	0.289E	0.753E	0.253	0.056	0	0.302	---	---	17
18	---	---	1.05 B	0.476E	0.260E	0.733E	0.250	0.093	0	0.294	---	---	18
19	---	---	1.06 B	0.465E	0.236E	0.774E	0.282	0.096	0	0.249	---	---	19
20	---	---	1.07 B	0.438E	0.227A	0.769E	0.229	0.096	0	0.227	---	---	20
21	---	---	1.07 B	0.445E	0.320E	0.753E	0.196	0.100	0	0.226	---	---	21
22	---	---	1.08 B	0.453E	0.445E	0.724E	0.157	0.112	0	0.246	---	---	22
23	---	---	1.09 B	0.468E	0.524E	0.704E	0.135	0.117	0	0.250	---	---	23
24	---	---	1.11 B	0.433E	0.585E	0.692A	0.136	0.089	0	0.242	---	---	24
25	---	---	1.13 B	0.440E	0.624E	0.698	0.123	0.092	0	0.239	---	---	25
26	---	---	1.15 B	0.450E	0.663E	0.740	0.109	0.063	0	0.226	---	---	26
27	---	---	1.17 B	0.423E	0.667E	0.805	0.153	0.009	0	0.201	---	---	27
28	---	---	1.19 B	0.540A	0.528E	0.701	0.259	0.012	0	0.191	---	---	28
29	---		1.21 B	0.534	0.537E	0.592	0.288	0.006	0	0.200	---	---	29
30	---		1.22 B	0.548	0.683E	0.534	0.265	0.002	0	0.209	---	---	30
31	---		1.24 B		0.802E		0.212	0.033		0.216		---	31
TOTAL	---	---	19.245	22.311	15.052	19.925	6.979	2.901	0.100	4.943	---	---	TOTAL
MEAN	---	---	0.621	0.744	0.486	0.664	0.225	0.094	0.003	0.159	---	---	MEAN
MAX	---	---	1.24	1.32	0.802	0.950	0.490	0.226	0.025	0.331	---	---	MAX
MIN	---	---	0.020	0.423	0.227	0.417	0.109	0.002	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.373
MAXIMUM DAILY, 1.32B ON APR 4
MINIMUM DAILY, 0 ON SEP 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 22 N
LONG 98 58 15 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	603
FEB	---	AUG	251
MAR	1 660	SEP	8.64
APR	1 930	OCT	427
MAY	1 300	NOV	---
JUN	1 720	DEC	---

TOTAL DISCHARGE, 7 900 dam³

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. 05KH003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	259.903	259.827	259.676	259.643	259.650	259.254	259.703E	---	---	1
2	---	---	---	259.891	259.840	259.673	259.652	259.611	259.467	259.706E	---	---	2
3	---	---	---	259.875	259.838	259.671	259.638	259.576	259.532	259.710E	---	---	3
4	---	---	---	259.874	259.826	259.667	259.635	259.576	259.532	259.713E	---	---	4
5	---	---	---	259.876	259.827	259.671	259.621	259.573	259.563	259.716A	---	---	5
6	---	---	---	259.894	259.821	259.650	259.606	259.550	259.584	259.720	---	---	6
7	---	---	---	259.895	259.803	259.633	259.608	259.554	259.615	259.696	---	---	7
8	---	---	---	259.893	259.540	259.660	259.628	259.537	259.619	259.688	---	---	8
9	---	---	---	259.888	259.363	259.665	259.624	259.539	259.634	259.703	---	---	9
10	---	---	---	259.892	259.315	259.679	259.604	259.538	259.650	259.728	---	---	10
11	---	---	---	259.883	259.249	259.672	259.600	259.527	259.659	259.726	---	---	11
12	---	---	---	259.884	259.249	259.675	259.595	259.514	259.659	259.730A	---	---	12
13	---	---	---	259.887	259.236	259.656	259.587	259.516	259.672	---	---	---	13
14	---	---	---	259.876	259.204	259.652	259.583	259.507	259.669	---	---	---	14
15	---	---	---	259.895	259.168	259.668	259.582	259.499	259.674	---	---	---	15
16	---	---	---	259.902	259.235	259.666	259.598	259.485	259.672	---	---	---	16
17	---	---	---	259.895	259.370	259.665	259.607	259.465	259.675	---	---	---	17
18	---	---	---	259.913	259.369	259.681	259.597	259.457	259.678	---	---	---	18
19	---	---	---	259.931	259.497	259.671	259.577	259.458	259.669	---	---	---	19
20	---	---	259.903A	259.932	259.713	259.647	259.575	259.457	259.643	---	---	---	20
21	---	---	259.908	259.936	259.712	259.641	259.578	259.466	259.658	---	---	---	21
22	---	---	259.911	259.944	259.677	259.637	259.573	259.466	259.672	---	---	---	22
23	---	---	259.920	259.944	259.673	259.646	259.593	259.464	259.696	---	---	---	23
24	---	---	259.923	259.938	259.683	259.659	259.610	259.455	259.686	---	---	---	24
25	---	---	259.926	259.943	259.686	259.656	259.612	259.446	259.685	---	---	---	25
26	---	---	259.928	259.949	259.689	259.648	259.605	259.441	259.687A	---	---	---	26
27	---	---	259.932	259.938	259.688	259.665	259.592	259.434	259.690E	---	---	---	27
28	---	---	259.933	259.900	259.686	259.653	259.603	259.431	259.693E	---	---	---	28
29	---		259.942	259.865	259.685	259.658	259.602	259.446	259.697E	---	---	---	29
30	---		259.945	259.832	259.689	259.646	259.595	259.224	259.700E	---	---	---	30
31	---		259.934		259.675		259.637	259.158		---		---	31
MEAN	---	---	---	259.902	259.575	259.660	259.605	259.485	259.633	---	---	---	MEAN
MAX	---	---	---	259.949	259.840	259.681	259.652	259.650	259.700	---	---	---	MAX
MIN	---	---	---	259.832	259.168	259.633	259.573	259.158	259.254	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.949 ON APR 26

MAXIMUM INSTANTANEOUS,
259.952 AT 23:50 CST ON APR 26

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
2 430 km²

BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS - STATION NO. 05KH004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	258.276	258.276	258.200	258.741	258.460	258.706	257.776	257.512	---	1
2	---	---	---	258.374	258.142	258.258	258.745	258.595	258.602	257.713	257.428	---	2
3	---	---	---	258.492	258.035	258.304	258.707	258.741	258.542	257.679	257.397	---	3
4	---	---	---	258.576	257.958	258.337	258.664	258.838	258.476A	257.644	257.380	---	4
5	---	---	---	258.664	257.854	258.366	258.646	258.933	258.435E	257.621	---	---	5
6	---	---	---	258.773	257.809	258.388	258.632	259.009	258.394E	257.593	---	---	6
7	---	---	---	258.860	257.830	258.462	258.604	259.066	258.353E	257.544	---	---	7
8	---	---	---	258.923	257.901	258.533	258.525	259.151	258.312E	257.553	---	---	8
9	---	---	---	258.954	257.977	258.557	258.338	259.211	258.271E	257.609	---	---	9
10	---	---	---	259.048	257.910	258.576	258.239	259.255	258.230E	257.660	---	---	10
11	---	---	---	259.198	257.792	258.573	258.119	259.297	258.189E	257.657	---	---	11
12	---	---	---	259.340	257.719	258.554	258.034	259.332	258.148E	257.676	---	---	12
13	---	---	---	259.424	257.682	258.532	258.030	259.333	258.107E	257.775	---	---	13
14	---	---	---	259.422	257.648	258.544	258.024	259.332	258.066E	257.801	---	---	14
15	---	---	---	259.538	257.683	258.575	258.063	259.317	258.025E	257.770	---	---	15
16	---	---	---	259.689	257.695	258.595	258.102	259.296	257.984A	257.776	---	---	16
17	---	---	---	259.833	257.617	258.634	258.078	259.283	257.964	257.776	---	---	17
18	---	---	---	259.924	257.547	258.724	258.107	259.267	257.947	257.764	---	---	18
19	---	---	257.914A	259.976	257.465	258.707	258.147	259.250	257.964	257.730	---	---	19
20	---	---	257.935	259.982	257.392	258.713	258.213	259.218	257.993	257.676	---	---	20
21	---	---	257.984	259.984	257.436	258.740	258.262	259.193	258.003	257.606	---	---	21
22	---	---	258.062	259.933	257.542	258.761	258.266	259.167	257.989	257.532	---	---	22
23	---	---	258.141	259.933	257.679	258.767	258.275	259.138	257.914	257.550	---	---	23
24	---	---	258.182	259.901	257.676	258.767	258.280	259.110	257.855	257.612	---	---	24
25	---	---	258.147	259.784	257.619	258.768	258.288	259.069	257.863	257.638	---	---	25
26	---	---	258.103	259.547	257.580	258.764	258.241	259.004	257.889	257.626	---	---	26
27	---	---	258.110	259.224	257.611	258.762	258.206	258.941	257.955	257.640	---	---	27
28	---	---	258.147	258.915	257.773	258.777	258.217	258.894	257.958	257.651	---	---	28
29	---		258.180	258.711	257.901	258.762	258.261	258.832	257.881	257.700	---	---	29
30	---		258.210	258.503	258.021	258.736	258.337	258.803	257.837	257.711	---	---	30
31	---		258.231		258.124		258.403	258.779		257.640		---	31
MEAN	---	---	---	259.255	257.771	258.591	258.316	259.068	258.128	257.668	---	---	MEAN
MAX	---	---	---	259.982	258.276	258.777	258.745	259.333	258.706	257.801	---	---	MAX
MIN	---	---	---	258.276	257.392	258.200	258.024	258.460	257.837	257.532	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.982 ON APR 20

MAXIMUM INSTANTANEOUS,
259.988 AT 14:52 CST ON APR 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
2 430 km²

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 05LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.159B	0.420B	2.15	0.467E	0.581	3.34	0.285	2.27	---	---	1
2	---	---	0.159B	0.467B	2.00	0.415E	0.888	3.66	0.279	2.20	---	---	2
3	---	---	0.159B	0.467B	1.91	0.368E	0.866	4.98	0.328	2.06	---	---	3
4	---	---	0.159B	0.472B	1.91	0.337E	0.576	7.63	0.272	1.89	---	---	4
5	---	---	0.159B	0.494B	2.09	0.311E	0.392	7.55	0.272	1.75	---	---	5
6	---	---	0.159B	0.549B	1.93	0.332E	0.319	5.62	0.227	1.64	---	---	6
7	---	---	0.159B	0.604B	1.76	0.410E	0.270	4.07	0.159	1.60	---	---	7
8	---	---	0.159B	0.643B	1.61	0.494A	0.165	2.97	0.099	1.55	---	---	8
9	---	---	0.159B	0.637B	1.42	0.530	0.082	2.23	0.088	1.64	---	---	9
10	---	---	0.159B	0.621B	1.28	0.461	0.099	1.76	0.053	1.78	---	---	10
11	---	---	0.162B	0.610B	1.17	0.365	0.233	1.40	0.227	1.68	---	---	11
12	---	---	0.179B	0.626B	1.07	0.269	0.176	1.10	0.364	2.54	---	---	12
13	---	---	0.193B	0.668B	0.988	0.193	0.238	0.897	0.307	4.78	---	---	13
14	---	---	0.211B	0.704B	0.945	0.258	0.311	0.699	0.318	4.54	---	---	14
15	---	---	0.225B	0.754B	0.910	0.875	0.496	0.626	0.437	3.93	---	---	15
16	---	---	0.243B	0.760B	0.912	0.936	1.45	0.613	0.542	3.32	---	---	16
17	---	---	0.247B	0.772B	0.935	0.824	2.46	0.735	0.575	2.99	---	---	17
18	---	---	0.252B	0.778B	0.943	1.44	2.46	1.08	0.528	2.82	---	---	18
19	---	---	0.256B	0.772B	0.957	1.45	2.41	1.32	0.515	2.60	---	---	19
20	---	---	0.256B	0.760B	0.876E	1.33	2.03	1.44	0.526	2.35	---	---	20
21	---	---	0.261B	0.747B	0.796E	1.26	1.66	1.50	0.568	2.16A	---	---	21
22	---	---	0.266B	0.735B	0.723E	1.38	1.35	1.60	0.372	1.84E	---	---	22
23	---	---	0.270B	0.778B	0.649E	2.34	1.25	2.12	0.484	1.54E	---	---	23
24	---	---	0.279B	0.855B	0.582E	3.22	1.66	1.94	0.464	1.26E	---	---	24
25	---	---	0.284B	1.00 B	0.516E	2.60	1.34	1.94	0.488	1.43E	---	---	25
26	---	---	0.293B	1.23 B	0.451E	1.99	1.02	1.99	1.01	1.54E	---	---	26
27	---	---	0.302B	1.49 B	0.389A	1.62	0.814	1.71	1.87	1.49E	---	---	27
28	---	---	0.316B	1.76 B	0.457E	1.30	0.671	1.39	1.97	1.44E	---	---	28
29	---		0.332B	2.02 A	0.610E	1.08	0.893	1.08	2.13	1.39E	---	---	29
30	---		0.347B	2.34	0.588E	0.770	1.20	0.772	2.25	1.35A	---	---	30
31	---		0.379B		0.500E		2.71	0.572		1.29E		---	31
TOTAL	---	---	7.143	25.533	34.027	29.625	31.070	70.334	18.007	66.66	---	---	TOTAL
MEAN	---	---	0.230	0.851	1.10	0.988	1.00	2.27	0.600	2.15	---	---	MEAN
MAX	---	---	0.379	2.34	2.15	3.22	2.71	7.63	2.25	4.78	---	---	MAX
MIN	---	---	0.159	0.420	0.389	0.193	0.08[illegible]	0.572	0.053	1.26	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 7.63 ON AUG 4
MINIMUM DAILY, 0.053 ON SEP 10
MAXIMUM INSTANTANEOUS,
8.83 AT 22:35 CST ON AUG 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 25 N
LONG 101 05 00 W
DRAINAGE AREA, 136 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 680
FEB	---	AUG	6 080
MAR	617	SEP	1 560
APR	2 210	OCT	5 760
MAY	2 940	NOV	---
JUN	2 560	DEC	---

TOTAL DISCHARGE, 24 400 dam³

BIRD RIVER AT OUTLET OF BIRD LAKE - STATION NO. 05PJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.85	1.91	2.17	2.42	---	---	---	---	---	---	1
2	---	---	1.85	1.96	2.18	2.35	---	---	---	---	---	---	2
3	---	---	1.85	2.00	2.18	2.26	---	---	---	---	---	---	3
4	---	---	1.85	2.02	2.18	2.22	---	---	---	---	---	---	4
5	---	---	1.85	2.04	2.17	2.25	---	---	---	---	---	---	5
6	---	---	1.86	2.08	2.16	2.25	---	---	---	---	---	---	6
7	---	---	1.86	2.09	2.13	2.24	---	---	---	---	---	---	7
8	---	---	1.86	2.12	2.15	2.17	---	---	---	---	---	---	8
9	---	---	1.86	2.15	2.08	2.13	---	---	---	---	---	---	9
10	---	---	1.86	2.15	2.06	2.08	---	---	---	---	---	---	10
11	---	---	1.86	2.19	2.09	2.04	---	---	---	---	---	---	11
12	---	---	1.86	2.21	2.10	2.02	---	---	---	---	---	---	12
13	---	---	1.86	2.15	2.11	2.06	---	---	---	---	---	---	13
14	---	---	1.86	2.13	2.15	2.19	---	---	---	---	---	---	14
15	---	---	1.86	2.11	2.10	2.87	---	---	---	---	---	---	15
16	---	---	1.87	2.09	2.19	3.58	---	---	---	---	---	---	16
17	---	---	1.87	2.06	2.33	4.11	---	---	---	---	---	---	17
18	---	---	1.87A	2.04	2.40	4.50	---	---	---	---	---	---	18
19	---	---	1.81	2.04	2.46	5.03	---	---	---	---	---	---	19
20	---	---	1.80	2.00	2.51	5.37	---	---	---	---	---	---	20
21	---	---	1.80	2.01	2.54	5.67	---	---	---	---	---	---	21
22	---	---	1.77	2.05	2.54	5.77	---	---	---	---	---	---	22
23	---	---	1.75	2.06	2.36	5.83	---	---	---	---	---	---	23
24	---	---	1.76	2.10	2.36	5.98	---	---	---	---	---	---	24
25	---	---	1.76	2.12	2.33	6.14	---	---	---	---	---	---	25
26	---	---	1.76	2.11	2.34	6.36	---	---	---	---	---	---	26
27	---	---	1.77	2.15	2.35	6.68	---	---	---	---	---	---	27
28	---	---	1.80	2.17	2.34	7.50	---	---	---	---	---	---	28
29	---		1.83	2.19	2.35	8.13	---	---	---	---	---	---	29
30	---		1.85	2.19	2.40	8.74	---	---	---	---	---	---	30
31	---		1.89		2.47		---	---		---		---	31
TOTAL	---	---	56.81	62.69	70.28	122.94	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.83	2.09	2.27	4.10	---	---	---	---	---	---	MEAN
MAX	---	---	1.89	2.21	2.54	8.74	---	---	---	---	---	---	MAX
MIN	---	---	1.75	1.91	2.06	2.02	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.56
MAXIMUM DAILY, 8.74 ON JUN 30
MINIMUM DAILY, 1.75 ON MAR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 46 N
LONG 95 24 50 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	4 910	SEP	---
APR	5 420	OCT	---
MAY	6 070	NOV	---
JUN	10 600	DEC	---

TOTAL DISCHARGE, 27 000 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO. 05ME003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.150B	6.70	0.953	2.51	0.672	0.009	0.116	0	---	---	1
2	---	---	0.150B	5.99	1.03	2.70	0.574	0.001	0.119	0	---	---	2
3	---	---	0.151B	3.86	1.08	2.26	0.438	0	0.117	0	---	---	3
4	---	---	0.151B	2.44	1.06	1.93	0.332	0	0.118	0	---	---	4
5	---	---	0.152B	2.32	0.947	1.72	0.237	0	0.118	0	---	---	5
6	---	---	0.152B	2.21	0.908	1.52	0.175	0.005	0.120	0	---	---	6
7	---	---	0.153B	2.07	0.953	1.48	0.124	0.004	0.120	0	---	---	7
8	---	---	0.153B	1.77	1.01	1.34	0.092	0.002	0.117	0.006	---	---	8
9	---	---	0.154B	1.53	1.01	1.19	0.065	0	0.114	0.014	---	---	9
10	---	---	0.172B	1.50	1.01	1.04	0.079	0	0.112	0.016	---	---	10
11	---	---	0.388B	1.41	0.967	0.869	0.142	0	0.109	0.021	---	---	11
12	---	---	0.969B	1.33	0.884	0.747	0.111	0	0.108	0.025	---	---	12
13	---	---	0.958B	1.24	0.791	0.594	0.086	0	0.106	0.029	---	---	13
14	---	---	0.918B	1.20	0.720	0.603	0.104	0	0.091	0.030	---	---	14
15	---	---	1.09 B	1.18	0.742	0.646	0.107	0	0.042	0.029	---	---	15
16	---	---	1.05 B	1.20	0.761	0.704	0.081	0	0.032	0.027	---	---	16
17	---	---	0.911B	1.16	0.762	0.869	0.062	0.001	0.029	0.024	---	---	17
18	---	---	1.46 B	1.15	0.702	1.99	0.071	0.029	0.029	0.022	---	---	18
19	---	---	1.61 B	1.14	0.645	2.60	0.161	0.049	0.030	0.021	---	---	19
20	---	---	1.27 B	1.06	0.625	2.69	0.156	0.055	0.026	0.022	---	---	20
21	---	---	0.846B	0.993	0.599	2.50	0.111	0.063	0.008	0.018	---	---	21
22	---	---	0.634B	0.970	0.621	2.25	0.075	0.070	0.002	0.016	---	---	22
23	---	---	0.686B	0.935	0.739	1.95	0.101	0.078	0	0.018	---	---	23
24	---	---	0.770B	0.846	0.843	1.78	0.138	0.086	0	0.040	---	---	24
25	---	---	0.841B	0.873	1.30	1.57	0.095	0.092	0	0.056	---	---	25
26	---	---	1.05	1.02	1.54	1.70	0.063	0.092	0	0.068	---	---	26
27	---	---	1.81	0.850	1.51	1.39	0.051	0.097	0	0.065	---	---	27
28	---	---	2.74	0.859	1.43	1.15	0.045	0.102	0	0.054	---	---	28
29	---		3.67	0.916	1.30	0.968	0.022	0.104	0	0.039	---	---	29
30	---		5.20	0.981	1.14	0.772	0.019	0.111	0	0.023	---	---	30
31	---		6.14		1.09		0.025	0.115		0.005		---	31
TOTAL	---	---	36.549	51.703	29.672	46.032	4.614	1.165	1.783	0.688	---	---	TOTAL
MEAN	---	---	1.18	1.72	0.957	1.53	0.149	0.038	0.059	0.022	---	---	MEAN
MAX	---	---	6.14	6.70	1.54	2.70	0.672	0.115	0.120	0.068	---	---	MAX
MIN	---	---	0.150	0.846	0.599	0.594	0.019	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.703
MAXIMUM DAILY, 6.70 ON APR 1
MINIMUM DAILY, 0 ON AUG 3
MAXIMUM INSTANTANEOUS,
7.66 AT 14:17 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	399
FEB	---	AUG	101
MAR	3 160	SEP	154
APR	4 470	OCT	59.4
MAY	2 560	NOV	---
JUN	3 980	DEC	---

TOTAL DISCHARGE, 14 900 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO. 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.063B	0.110B	0.758	0.194	0.139	0.143	0	0.002	0.165	---	---	1
2	---	0.063B	0.112B	0.690	0.186	0.113	0.121	0	0.006	0.145	---	---	2
3	---	0.063B	0.114B	0.532	0.145	0.109	0.101	0	0.005	0.130	---	---	3
4	---	0.063B	0.116B	0.476	0.128	0.123	0.084	0	0.004	0.146	---	---	4
5	---	0.063B	0.118B	0.464	0.114	0.163	0.054	0.006	0.003	0.158	---	---	5
6	---	0.063B	0.120B	0.362	0.114	0.170	0.029	0.015	0.003	0.137	---	---	6
7	---	0.063B	0.122B	0.314	0.091	0.138	0.017	0.013	0.001	0.101	---	---	7
8	---	0.063B	0.124B	0.251	0.070	0.109	0.032	0.010	0	0.082	---	---	8
9	---	0.063B	0.125B	0.212	0.060	0.108	0.045	0.007	0	0.072	---	---	9
10	---	0.063B	0.127B	0.181	0.059	0.086	0.042	0.004	0	0.065	---	---	10
11	---	0.063B	0.129B	0.142	0.046	0.068	0.031	0.002	0	0.060	---	---	11
12	---	0.063B	0.133B	0.114	0.061	0.059	0.021	0	0	0.155	---	---	12
13	---	0.063B	0.133B	0.103	0.054	0.073	0.011	0	0	0.309	---	---	13
14	---	0.063B	0.134B	0.106	0.052	0.108	0.009	0	0	0.226	---	---	14
15	---	0.063B	0.135B	0.122	0.054	0.237	0.016	0	0	0.149	---	---	15
16	---	0.067B	0.137B	0.109	0.049	0.252	0.043	0	0	0.117	---	---	16
17	---	0.074B	0.138B	0.122	0.048	0.245	0.063	0	0	0.097	---	---	17
18	---	0.081B	0.140B	0.107	0.050	0.288	0.038	0	0	0.084	---	---	18
19	---	0.092B	0.141B	0.085	0.056	0.304	0.026	0	0	0.076	---	---	19
20	---	0.096B	0.142B	0.061	0.059	0.243	0.021	0	0	0.067	---	---	20
21	---	0.099B	0.146B	0.080	0.059	0.192	0.012	0	0	0.066	---	---	21
22	---	0.099B	0.146B	0.085	0.055	0.174	0.013	0	0	0.063	---	---	22
23	---	0.099B	0.151B	0.055	0.060	0.142	0.010	0	0	0.058	---	---	23
24	---	0.099B	0.170B	0.048	0.067	0.208	0.009	0	0	0.058	---	---	24
25	---	0.103B	0.215E	0.064	0.074	0.309	0.006	0	0	0.055	---	---	25
26	---	0.105B	0.277E	0.086	0.085	0.259	0.002	0	0.042	0.054	---	---	26
27	---	0.107B	0.354E	0.086	0.086	0.197	0	0	0.155	0.061	---	---	27
28	---	0.109B	0.453E	0.111	0.087	0.176	0	0	0.188	0.061	---	---	28
29	---		0.583E	0.121	0.164	0.172	0	0	0.150	0.060	---	---	29
30	---		0.695E	0.117	0.258	0.205	0	0	0.143	0.070	---	---	30
31	---		0.860		0.219		0	0		0.093		---	31
TOTAL	---	2.175	6.600	6.164	2.904	5.169	0.999	0.057	0.702	3.240	---	---	TOTAL
MEAN	---	0.078	0.213	0.205	0.094	0.172	0.032	0.002	0.023	0.105	---	---	MEAN
MAX	---	0.109	0.860	0.758	0.258	0.309	0.143	0.015	0.188	0.309	---	---	MAX
MIN	---	0.063	0.110	0.048	0.046	0.059	0	0	0	0.054	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.105
MAXIMUM DAILY, 0.860 ON MAR 31
MINIMUM DAILY, 0 ON JUL 27
MAXIMUM INSTANTANEOUS,
1.14 AT 17:42 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 50 N
LONG 99 27 00 W
DRAINAGE AREA, 62.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	86.3
FEB	188	AUG	4.92
MAR	570	SEP	60.7
APR	533	OCT	280
MAY	251	NOV	---
JUN	447	DEC	---

TOTAL DISCHARGE, 2 230 dam³

BLACK RIVER NEAR MANIGOTAGAN - STATION NO. 05RA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.660	0.506	0.446	0.761	0.768	1.69	7.99	1.57	2.27	1.34	5.59	3.32	1
2	0.621	0.494	0.432	0.764	0.808	1.63	7.27	1.44	2.42	1.37	5.07	3.09	2
3	0.596	0.492	0.423	0.627	0.799	1.53	6.38	1.38	2.68	1.41	4.82	2.88	3
4	0.582	0.495	0.429	0.575	0.792	1.38	5.46	1.30	3.28	1.64	4.56	2.71	4
5	0.600	0.510	0.421	0.561	0.842	1.36	4.55	1.60	1.62	1.67	4.33	2.45	5
6	0.582	0.515	0.426	0.575	0.843	1.36	3.94	2.80	1.83	1.70	4.02	2.23	6
7	0.562	0.508	0.435	0.562	0.861	1.37	3.30	4.01	3.19	1.67	3.79	1.95	7
8	0.572	0.491	0.444	0.557	0.826	1.30	3.19	8.39	5.27	1.74	3.46	1.72	8
9	0.562	0.470	0.442	0.601	0.768	1.24	3.04	10.7	5.41	1.71	3.13	1.58	9
10	0.549	0.447	0.442	0.598	0.774	1.14	2.96	12.1	5.05	1.76	2.93	1.35	10
11	0.542	0.431	0.440	0.574	0.718	1.11	2.93	8.07	4.51	1.80	2.78	1.31	11
12	0.560	0.417	0.406	0.539	0.713	1.06	2.89	5.45	4.07	1.94	2.62	1.23	12
13	0.561	0.421	0.372	0.531	0.689	1.07	2.88	5.61	3.55	2.43	2.45	1.12	13
14	0.548	0.435	0.350	0.506	0.700	1.20	2.85	5.57	3.13	2.53	2.38	1.07	14
15	0.549	0.456	0.347	0.538	0.676	2.27	2.85	5.41	2.76	2.49	2.33	0.964	15
16	0.543	0.455	0.368	0.547	0.652	4.28	2.86	5.31	2.51	2.49	2.38	0.860	16
17	0.535	0.450	0.373	0.465	0.660	5.31	3.06	5.76	2.39	2.64	2.44	0.765	17
18	0.536	0.454	0.385	0.461	0.642	6.61	2.34	5.61	2.22	2.82	2.34	0.692	18
19	0.521	0.457	0.424	0.519	0.612	8.33	2.23	6.65	2.05	2.92	2.15	0.632	19
20	0.515	0.470	0.440	0.542	0.547	8.88	2.12	4.37	1.91	2.90	1.89	0.592	20
21	0.509	0.482	0.467	0.527	0.550	8.41	2.04	2.35	1.76	2.80	1.60	0.653	21
22	0.517	0.497	0.476	0.489	0.570	8.63	1.35	2.82	1.70	2.80	1.42	0.670	22
23	0.522	0.494	0.444	0.490	0.665	7.93	1.62	3.35	1.57	2.71	1.32	0.648	23
24	0.540	0.492	0.473	0.515	0.841	7.70	2.22	2.13	1.42	2.62	1.16	0.627	24
25	0.543	0.476	0.517	0.613	1.13	7.96	2.09	1.93	1.34	2.56	0.864	0.598	25
26	0.534	0.473	0.641	0.662	1.52	8.03	1.85	1.82	1.30	2.51	2.94	0.568	26
27	0.522	0.474	0.633	0.670	1.64	8.19	1.74	1.93	1.30	2.57	3.78	0.568	27
28	0.514	0.460	0.622	0.659	1.66	9.24	1.66	1.98	1.24	2.34	3.67	0.526	28
29	0.502		0.718	0.701	1.66	9.59	1.68	2.20	1.26	2.30	3.56	0.507	29
30	0.498		0.765	0.722	1.67	8.77	1.69	2.01	1.26	2.46	3.38	0.482	30
31	0.516		0.788		1.71		1.64	2.05		5.34		0.458	31
TOTAL	17.013	13.222	14.789	17.451	28.306	138.57	94.67	127.67	76.27	73.98	89.154	38.820	TOTAL
MEAN	0.549	0.472	0.477	0.582	0.913	4.62	3.05	4.12	2.54	2.39	2.97	1.25	MEAN
MAX	0.660	0.515	0.788	0.764	1.71	9.59	7.99	12.1	5.41	5.34	5.59	3.32	MAX
MIN	0.498	0.417	0.347	0.461	0.547	1.06	1.35	1.30	1.24	1.34	0.864	0.458	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 12.1 ON AUG 10
MINIMUM DAILY, 0.347 ON MAR 15
MAXIMUM INSTANTANEOUS,
12.6 AT 05:27 CST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 96 15 10 W
DRAINAGE AREA, 712 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 470	JUL	8 180
FEB	1 140	AUG	11 000
MAR	1 280	SEP	6 590
APR	1 510	OCT	6 390
MAY	2 450	NOV	7 700
JUN	12 000	DEC	3 350

TOTAL DISCHARGE, 63 100 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. 05RB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.4B	17.9B	15.2B	27.0	28.5	35.8	80.9	59.3	34.3	56.7	76.6	35.8B	1
2	24.9B	17.8B	14.7B	27.7	28.6	37.8	77.9	63.6	34.2	54.7	77.3	35.3B	2
3	24.4B	17.7B	14.4B	28.0	28.9	38.4	75.7	65.1	34.4	53.1	75.9	34.5B	3
4	23.7B	17.5B	14.2B	28.1	29.4	37.8	72.6	64.0	33.7	53.1	73.9	33.8B	4
5	23.6B	17.4B	13.9B	28.1	29.7	36.9	71.1	62.7	34.0	54.4	71.9	32.8B	5
6	23.5B	17.3B	13.9B	28.2	29.8	36.5	69.4	63.7	47.0	54.7	70.5	31.6B	6
7	23.0B	17.0B	13.8B	28.7	30.0	36.3	67.6	62.8	104	54.3	68.9	30.8B	7
8	23.1B	16.7B	13.8B	29.1	30.0	35.8	65.4	61.6	120	53.5	67.3	29.8B	8
9	23.1B	16.5B	13.8B	29.0	29.6	34.9	62.5	59.0	115	52.6	64.3	28.8B	9
10	22.6B	16.1B	13.7B	28.9	28.8	33.7	60.1	56.3	109	52.5	62.5	28.2B	10
11	22.3B	15.7B	13.7B	28.7	28.1	32.9	57.8	54.3	102	52.8	61.0	27.9B	11
12	22.2B	15.1B	13.5B	28.3	27.5	31.9	56.0	52.7	96.5	53.5	59.2	27.5B	12
13	22.2B	14.9B	13.4B	27.8	26.9	31.0	54.6	51.0	91.1	59.5	58.0	27.1B	13
14	22.0B	15.0B	13.5B	26.7	26.1	30.5	53.4	49.2	86.0	66.4	56.8	26.4B	14
15	21.7B	15.3B	13.5B	26.0	25.5	32.1	52.7	47.4	80.9	68.3	55.7	25.9B	15
16	21.6B	15.4B	13.5B	25.5	25.0	40.1	51.8	45.3	75.6	68.3	54.9	24.8B	16
17	21.5B	15.9B	13.4B	25.1	24.5	52.0	52.0	44.1	71.1	67.5	54.4	24.4B	17
18	21.3B	16.4B	13.4B	24.9	23.8	62.6	53.9	42.9	67.4	65.6	53.5	23.7B	18
19	21.1B	17.0B	13.4B	24.9	23.4	72.4	55.1	42.5	63.6	63.6	52.1	23.0B	19
20	20.8B	17.4B	13.3B	24.4	22.7	80.2	54.8	42.1	60.1	62.2	49.9	22.9B	20
21	20.5B	17.6B	13.2B	24.2	22.1	82.8	54.0	41.2	56.7	60.4	48.1B	22.8B	21
22	20.5B	17.9B	13.2B	24.1	22.0	81.5	53.5	40.4	53.8	58.3	45.9B	22.7B	22
23	20.3B	17.8B	13.3B	24.5	22.6	76.8	53.6	39.7	51.2	56.2	43.8B	22.7B	23
24	20.0B	17.5B	13.4B	25.4	24.3	72.9	53.8	38.6	49.2	54.3	42.3B	22.4B	24
25	19.9B	17.1B	13.7B	26.3	26.5	73.3	53.7	38.0	47.4	52.2	41.1B	21.5B	25
26	19.9B	16.5B	14.8	26.8	27.9	77.8	54.0	37.6	48.7	51.1	40.1B	21.3B	26
27	19.5B	16.0B	16.2	27.4	28.5	82.7	54.1	36.7	55.4	50.3	38.6B	21.1B	27
28	19.4B	15.6B	17.8	27.8	28.6	84.7	53.4	35.7	58.7	49.6	37.9B	20.9B	28
29	19.0B		19.4	28.3	28.7	84.5	52.4	34.7	59.5	49.4	36.9B	20.0B	29
30	18.5B		21.8	28.5	29.7	82.7	52.7	33.6	58.6	51.2	36.0B	19.8B	30
31	18.2B		24.8		33.0		54.8	33.9		63.8		19.6B	31
TOTAL	669.7	466.0	457.6	808.4	840.7	1 629.3	1 835.3	1 499.7	1 999.1	1 764.1	1 675.3	809.8	TOTAL
MEAN	21.6	16.6	14.8	26.9	27.1	54.3	59.2	48.4	66.6	56.9	55.8	26.1	MEAN
MAX	25.4	17.9	24.8	29.1	33.0	84.7	80.9	65.1	120	68.3	77.3	35.8	MAX
MIN	18.2	14.9	13.2	24.1	22.0	30.5	51.8	33.6	33.7	49.4	36.0	19.6	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.6
MAXIMUM DAILY, 120 ON SEP 8
MINIMUM DAILY, 13.2B ON MAR 21
MAXIMUM INSTANTANEOUS,
120 AT 08:08 CST ON SEP 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 52 N
LONG 96 36 44 W
DRAINAGE AREA, 9 090 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	57 900	JUL	159 000
FEB	40 300	AUG	130 000
MAR	39 500	SEP	173 000
APR	69 800	OCT	152 000
MAY	72 600	NOV	145 000
JUN	141 000	DEC	70 000

TOTAL DISCHARGE, 1 250 000 dam³

BOYNE RIVER NEAR CARMAN - STATION NO. 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.193B	0.696B	0.107	0.651	0.803	0.063	0.011	0.010	0.023	0.029B	1
2	0B	0 B	0.169B	0.683B	0.130	0.513	0.515	0.693	0.010	0.014	0.021	0.028B	2
3	0B	0 B	0.146B	0.665B	0.191	0.430	0.342	1.51	0.008	0.008	0.017	0.027B	3
4	0B	0 B	0.123B	0.647B	0.226	0.379	0.223	1.01	0.007	0.017	0.017A	0.026B	4
5	0B	0 B	0.099B	0.629B	0.255	0.419	0.152	0.737	0.006	0.037	0.017E	0.025B	5
6	0B	0 B	0.076B	0.612B	0.255	0.337	0.122	0.696	0.008	0.032	0.017E	0.024B	6
7	0B	0 B	0.084B	0.594A	0.208	0.348	0.080	0.444	0.008	0.027	0.016E	0.023B	7
8	0B	0 B	0.091B	0.479	0.140	0.447	0.060	0.607	0.008	0.026	0.016E	0.022B	8
9	0B	0 B	0.099B	0.574	0.112	0.306	0.049	0.535	0.009	0.022	0.016E	0.021B	9
10	0B	0 B	0.106B	0.467	0.083	0.204	0.031	0.442	0.007	0.048	0.016E	0.020B	10
11	0B	0 B	0.114B	0.300	0.081	0.206	0.049	0.459	0.600	0.485	0.015E	0.019B	11
12	0B	0 B	0.132B	0.152	0.067	0.163	0.241	0.351	2.59	0.575	0.015E	0.018B	12
13	0B	0 B	0.150B	0.413	0.054	0.130	0.127	0.245	2.56	0.373	0.015E	0.016B	13
14	0B	0 B	0.168B	0.205	0.039	0.152	0.323	0.164	2.53	0.205	0.015E	0.013B	14
15	0B	0 B	0.186B	0.113	0.014	0.148	0.143	0.109	2.49	0.260	0.021E	0.010B	15
16	0B	0 B	0.204B	0.212	0.008	0.144	0.110	0.078	2.47	0.331	0.027E	0.007B	16
17	0B	0.100B	0.222B	0.270	0.016	0.098	0.078	0.055	2.41	0.338	0.033E	0.005B	17
18	0B	0.200B	0.240B	0.134	0.025	0.112	0.955	0.045	2.27	0.313	0.038E	0.003B	18
19	0B	0.325B	0.331B	0.095	0.007	0.134	2.36	0.035	2.22	0.182	0.038E	0.002B	19
20	0B	0.450B	0.422B	0.159	0.033	0.126	1.69	0.028	1.57	0.093	0.038B	0.001B	20
21	0B	0.415B	0.513B	0.118	0.043	0.304	1.13	0.024	0.420	0.050	0.036B	0.001B	21
22	0B	0.380B	0.604B	0.161	0.042	0.327	0.752	0.021	0.075	0.045	0.036B	0.001B	22
23	0B	0.345B	0.695B	0.157	0.107	0.181	0.477	0.021	0.037	0.036	0.036B	0.001B	23
24	0B	0.309B	0.786B	0.042	0.252	0.203	0.277	0.024	0.015	0.028	0.036B	0.001B	24
25	0B	0.286B	0.877B	0.222	0.251	0.251	0.136	0.036	0.006	0.023	0.035B	0.001B	25
26	0B	0.262B	0.846B	0.180	0.320	5.47	0.089	0.036	0.021	0.018	0.034B	0.001B	26
27	0B	0.239B	0.815B	0.130	0.823	3.30	0.077	0.025	0.013	0.015	0.033B	0 B	27
28	0B	0.216B	0.785B	0.160	0.964	2.12	0.068	0.018	0.007	0.013	0.032B	0 B	28
29	0B		0.755B	0.226	0.951	1.49	0.044	0.013	0.005	0.012	0.031B	0 B	29
30	0B		0.725B	0.199	0.844	1.03	0.042	0.010	0.004	0.013	0.030B	0 B	30
31	0B		0.710B		0.798		0.164	0.010		0.022		0 B	31
TOTAL	0	3.527	11.466	9.694	7.446	20.123	11.709	8.544	22.395	3.671	0.770	0.345	TOTAL
MEAN	0	0.126	0.370	0.323	0.240	0.671	0.378	0.276	0.747	0.118	0.026	0.011	MEAN
MAX	0	0.450	0.877	0.696	0.964	5.47	2.36	1.51	2.59	0.575	0.038	0.029	MAX
MIN	0	0	0.076	0.042	0.007	0.098	0.031	0.010	0.004	0.008	0.015	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.273
MAXIMUM DAILY, 5.47 ON JUN 26
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
6.41 AT 08:07 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 00 N
LONG 97 56 40 W
DRAINAGE AREA, 976 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1 010
FEB	305	AUG	738
MAR	991	SEP	1 930
APR	838	OCT	317
MAY	643	NOV	66.5
JUN	1 740	DEC	29.8

TOTAL DISCHARGE, 8 610 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.107B	0.189B	0.201	0.168	0.029	0.451	0.004	0	---	---	1
2	---	0 B	0.091B	0.198B	0.139	0.085	0.028	0.274	0.010	0	---	---	2
3	---	0 B	0.081B	0.214B	0.149	0.046	0.023	0.227	0.028	0.001	---	---	3
4	---	0 B	0.070B	0.238B	0.117	0.040	0.016	0.197	0.032	0.004	---	---	4
5	---	0 B	0.065B	0.277	0.103	0.050	0.013	0.119	0.022	0.022	---	---	5
6	---	0 B	0.065B	0.289	0.099	0.040	0.009	0.100	0.017	0.071	---	---	6
7	---	0 B	0.068B	0.264	0.104	0.034	0.016	0.126	0.066	0.039	---	---	7
8	---	0 B	0.071B	0.266	0.108	0.028	0.010	0.174	0.074	0.022	---	---	8
9	---	0 B	0.081B	0.249	0.096	0.027	0.001	0.107	0.080	0.025	---	---	9
10	---	0 B	0.086B	0.197	0.081	0.024	0.004	0.045	0.040	0.037	---	---	10
11	---	0 B	0.089B	0.197	0.077	0.018	0.073	0.027	0	0.053	---	---	11
12	---	0 B	0.094B	0.186	0.078	0.019	0.112	0.019	0	0.031	---	---	12
13	---	0 B	0.099B	0.117	0.070	0.020	0.088	0.018	0	0.028	---	---	13
14	---	0 B	0.107B	0.114	0.069	0.020	0.092	0.001	0	0.044	---	---	14
15	---	0 E	0.117B	0.139	0.060	0.018	0.614	0	0	0.080	---	---	15
16	---	0.011B	0.145B	0.155	0.059	0.024	5.53	0	0	0.053	---	---	16
17	---	0.048B	0.168B	0.142	0.053	0.022	1.35	0	0	0.041	---	---	17
18	---	0.086B	0.191B	0.143	0.047	0.031	0.329	0	0	0.037	---	---	18
19	---	0.131B	0.219B	0.135	0.050	0.029	0.127	0	0	0.034	---	---	19
20	---	0.214B	0.233B	0.120	0.052	0.028	0.079	0	0	0.031	---	---	20
21	---	0.307B	0.242B	0.126	0.046	0.032	0.044	0	0	0.029	---	---	21
22	---	0.366B	0.247B	0.141	0.042	0.106	0.024	0	0	0.026	---	---	22
23	---	0.397B	0.251B	0.169	0.087	0.304	0.013	0	0	0.024	---	---	23
24	---	0.401B	0.251B	0.351	0.180	2.65	0.015	0	0	0.024	---	---	24
25	---	0.405B	0.251B	0.175	0.263	0.397	0.012	0	0	0.024	---	---	25
26	---	0.383B	0.247B	0.155	0.205	0.155	0.001	0	0	0.024	---	---	26
27	---	0.284B	0.242B	0.143	0.142	0.090	0.001	0	0	0.024	---	---	27
28	---	0.214B	0.238B	0.139	0.098	0.073	0.001	0	0	0.024	---	---	28
29	---		0.226B	0.191	0.090	0.065	0.001	0.001	0	0.024	---	---	29
30	---		0.214B	0.279	0.093	0.045	0.575	0.001	0	0.024	---	---	30
31	---		0.207B		0.079		1.43	0.001		0.024		---	31
TOTAL	---	3.247	4.863	5.698	3.137	4.688	10.660	1.888	0.373	0.924	---	---	TOTAL
MEAN	---	0.116	0.157	0.190	0.101	0.156	0.344	0.061	0.012	0.030	---	---	MEAN
MAX	---	0.405	0.251	0.351	0.263	2.65	5.53	0.451	0.080	0.080	---	---	MAX
MIN	---	0	0.065	0.114	0.042	0.018	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.132
MAXIMUM DAILY, 5.53 ON JUL 16
MINIMUM DAILY, 0 ON AUG 15
MAXIMUM INSTANTANEOUS,
11.3 AT 02:48 CST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 39 N
LONG 98 24 52 W
DRAINAGE AREA, 565 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	921
FEB	281	AUG	163
MAR	420	SEP	32.2
APR	492	OCT	79.8
MAY	271	NOV	---
JUN	405	DEC	---

TOTAL DISCHARGE, 2 780 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05OF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.051B	0.093B	0.055B	0.720A	0.319	0.317	0.318	1.37	0.021E	0.010A	0.005A	0.033A	1
2	0.054B	0.091B	0.053B	0.732	0.347	0.312	0.259	0.864	0.017E	0.010A	0.004A	0.042A	2
3	0.055B	0.089B	0.050B	0.671	0.380	0.291	0.188	0.569	0.013E	0.019A	0.006A	0.059A	3
4	0.057B	0.087B	0.048B	0.542	0.334	0.288	0.141	0.434	0.013E	0.276A	0.397A	0.068A	4
5	0.059B	0.084B	0.046B	0.412	0.300	0.393	0.122	0.430	0.013E	0.456A	0.300A	0.059A	5
6	0.061B	0.082B	0.045B	0.427	0.253	0.219	0.114	0.691	0.013E	0.456A	0.218A	0.060B	6
7	0.063B	0.080B	0.045B	0.530	0.239	0.221	0.119	0.597	0.013E	0.600A	0.241A	0.060B	7
8	0.065B	0.079B	0.044B	0.266	0.217	0.179	0.145	0.603	0.013E	0.600A	0.264A	0.059B	8
9	0.067B	0.078B	0.050B	0.240	0.209	0.157	0.124	0.546	2.50 E	0.588A	0.159A	0.058B	9
10	0.068B	0.077B	0.062B	0.398	0.184	0.141	0.105	0.454	2.33 A	0.456A	0.008A	0.057B	10
11	0.070B	0.075B	0.084B	0.175	0.160	0.119	0.115	0.355	2.39 A	0.456A	0.014A	0.056B	11
12	0.072B	0.074B	0.124B	0.196	0.175	0.076	0.079	0.257	2.24 A	0.552A	0.006A	0.055B	12
13	0.074B	0.073B	0.162B	0.255	0.165	0.081	0.064	0.128	2.24 A	0.479A	0.004A	0.055B	13
14	0.076B	0.072B	0.211B	0.169	0.156	0.100	0.043	0.079	2.35 A	0.528A	0.009A	0.054B	14
15	0.078B	0.071B	0.253B	0.179	0.148	0.148	0.030	0.051	2.10 A	0.467A	0.003A	0.053B	15
16	0.080B	0.070B	0.290B	0.168	0.103	0.150	1.13	0.031	2.01 A	0.026A	0.019A	0.052B	16
17	0.082B	0.069B	0.325B	0.268	0.083	0.179	2.84	0.036	1.97 A	0.026A	0.004A	0.051B	17
18	0.083B	0.067B	0.371B	0.136	0.101	0.232	2.00	0.033	0.725A	0.006A	0.006E	0.050B	18
19	0.085B	0.066B	0.412B	0.155	0.120	0.096	1.21	0.029	0.120A	0.012A	0.009A	0.050B	19
20	0.087B	0.065B	0.470B	0.153	0.101	0.098	0.761	0.030	0.194A	0.003A	0.019A	0.049B	20
21	0.089B	0.064B	0.520B	0.148	0.079	0.100	0.491	0.029	0.059A	0.008A	0.008A	0.048B	21
22	0.091B	0.063B	0.584B	0.275	0.067	0.194	0.398	0.029	0.042A	0.001A	0.005A	0.047B	22
23	0.091B	0.062B	0.637B	0.224	0.190	0.300	0.346	0.026	0.042A	0.002A	0.008A	0.046B	23
24	0.091B	0.060B	0.699B	0.194	0.344	3.48	0.302	0.029	0.033A	0.008A	0.004A	0.045B	24
25	0.091B	0.059B	0.745B	0.252	0.595	5.01	0.235	0.027	0.021A	0.006A	0.006A	0.045B	25
26	0.093B	0.058B	0.776E	0.295	0.754	2.47	0.191	0.023	0.050A	0.008A	0.050A	0.044B	26
27	0.093B	0.057B	0.798E	0.272	0.723	1.49	0.159	0.023	0.008A	0.009A	0.068A	0.043B	27
28	0.093B	0.056B	0.801E	0.249	0.658	0.976	0.126	0.022	0.010A	0.006A	0.033A	0.042B	28
29	0.095B		0.783E	0.251	0.564	0.659	0.120	0.020	0.006A	0.003A	0.024A	0.041B	29
30	0.095B		0.769E	0.313	0.425	0.439	0.174	0.020	0.010A	0.001A	0.033A	0.040B	30
31	0.095B		0.752E		0.372		0.861	0.021		0.003A		0.040B	31
TOTAL	2.404	2.021	11.064	9.265	8.865	18.915	13.310	7.856	21.566	6.081	1.934	1.561	TOTAL
MEAN	0.078	0.072	0.357	0.309	0.286	0.631	0.429	0.253	0.719	0.196	0.064	0.050	MEAN
MAX	0.095	0.093	0.801	0.732	0.754	5.01	2.84	1.37	2.50	0.600	0.397	0.068	MAX
MIN	0.051	0.056	0.044	0.136	0.067	0.076	0.030	0.020	0.006	0.001	0.003	0.033	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.287
MAXIMUM DAILY, 5.01 ON JUN 25
MINIMUM DAILY, 0.001A ON OCT 22
MAXIMUM INSTANTANEOUS,
7.16 AT 22:11 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 48 N
LONG 98 14 58 W
DRAINAGE AREA, 873 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	208	JUL	1 150
FEB	175	AUG	679
MAR	956	SEP	1 860
APR	800	OCT	525
MAY	766	NOV	167
JUN	1 630	DEC	135

TOTAL DISCHARGE, 9 050 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05OF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.017B	0.144B	0.160	0.050	---	---	---	---	---	---	1
2	---	---	0.010B	0.142B	0.176	0.055	---	---	---	---	---	---	2
3	---	---	0.008B	0.137B	0.146	0.042	---	---	---	---	---	---	3
4	---	---	0.007B	0.133B	0.133	0.036	---	---	---	---	---	---	4
5	---	---	0.006B	0.126B	0.131	0.036	---	---	---	---	---	---	5
6	---	---	0.006B	0.120	0.112	0.041	---	---	---	---	---	---	6
7	---	---	0.006B	0.106	0.104	0.048	---	---	---	---	---	---	7
8	---	---	0.009B	0.088	0.104	0.050	---	---	---	---	---	---	8
9	---	---	0.014B	0.091	0.099	0.050	---	---	---	---	---	---	9
10	---	---	0.020B	0.091	0.090	0.056	---	---	---	---	---	---	10
11	---	---	0.024B	0.089	0.079	0.064	---	---	---	---	---	---	11
12	---	---	0.027B	0.104	0.078	0.064	---	---	---	---	---	---	12
13	---	---	0.031B	0.123	0.079	0.065	---	---	---	---	---	---	13
14	---	---	0.036B	0.088	0.076	0.068	---	---	---	---	---	---	14
15	---	---	0.043B	0.096	0.068	0.073	---	---	---	---	---	---	15
16	---	---	0.038B	0.090	0.066	0.074	---	---	---	---	---	---	16
17	---	---	0.033B	0.094	0.071	0.077	---	---	---	---	---	---	17
18	---	---	0.028B	0.091	0.081	0.070	---	---	---	---	---	---	18
19	---	---	0.025B	0.079	0.083	0.076	---	---	---	---	---	---	19
20	---	---	0.022B	0.067	0.084	0.083	---	---	---	---	---	---	20
21	---	---	0.020B	0.061	0.075	0.092	---	---	---	---	---	---	21
22	---	---	0.017B	0.075	0.081	0.098	---	---	---	---	---	---	22
23	---	---	0.016B	0.064	0.082	0.099	---	---	---	---	---	---	23
24	---	---	0.020B	0.069	0.097	0.108	---	---	---	---	---	---	24
25	---	---	0.029B	0.073	0.133	0.100	---	---	---	---	---	---	25
26	---	---	0.035B	0.117	0.134	0.103	---	---	---	---	---	---	26
27	---	---	0.033B	0.094	0.104	0.093	---	---	---	---	---	---	27
28	---	---	0.046B	0.096	0.082	0.091	---	---	---	---	---	---	28
29	---		0.045B	0.122	0.095	0.089	---	---	---	---	---	---	29
30	---		0.112B	0.128	0.088	0.086	---	---	---	---	---	---	30
31	---		0.127B		0.053		---	---		---		---	31
TOTAL	---	---	0.910	2.998	3.044	2.137	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.029	0.100	0.098	0.071	---	---	---	---	---	---	MEAN
MAX	---	---	0.127	0.144	0.176	0.108	---	---	---	---	---	---	MAX
MIN	---	---	0.006	0.061	0.053	0.036	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECCND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 0.075
MAXIMUM DAILY, 0.176 ON MAY 2
MINIMUM DAILY, 0.006B ON MAR 5
MAXIMUM INSTANTANEOUS,
0.211 AT 22:38 CST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 15 N
LONG 98 38 35 W
DRAINAGE AREA, 277 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	78.6	SEP	---
APR	259	OCT	---
MAY	263	NOV	---
JUN	185	DEC	---

TOTAL DISCHARGE, 786 dam³

BRERETON LAKE NEAR RENNIE - STATION NO. 05PG003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	315.621	315.833	315.785	315.731	316.128	315.770	---	1
2	---	---	---	---	---	315.619	315.836	315.781	315.728	316.134	315.765	---	2
3	---	---	---	---	---	315.622	315.840	315.781	315.717	316.136	315.762	---	3
4	---	---	---	---	---	315.638	315.845	315.783	315.716	316.142	315.761	---	4
5	---	---	---	---	---	315.638	315.850	315.801	315.712	316.147	315.753	---	5
6	---	---	---	---	---	315.632	315.854	315.810	315.837	316.142	315.750	---	6
7	---	---	---	---	---	315.637	315.856	315.821	315.879	316.110	315.744	---	7
8	---	---	---	---	---	315.637	315.851	315.816	315.900	316.076	315.737	---	8
9	---	---	---	---	---	315.634	315.844	315.811	315.918	316.045	315.737	---	9
10	---	---	---	---	---	315.634	315.837	315.810	315.943	316.020	315.723	---	10
11	---	---	---	---	---	315.635	315.837	315.809	315.962	315.997	315.723	---	11
12	---	---	---	---	---	315.631	315.835	315.804	315.981	315.980	315.720	---	12
13	---	---	---	---	315.584A	315.629	315.833	315.805	315.996	315.962	315.718A	---	13
14	---	---	---	---	315.583	315.634	315.831	315.801	316.011	315.940	---	---	14
15	---	---	---	---	315.580	315.667	315.831	315.794	316.024	315.922	---	---	15
16	---	---	---	---	315.577	315.675	315.826	315.789	316.037	315.907	---	---	16
17	---	---	---	---	315.575	315.691	315.821	315.785	316.050	315.892	---	---	17
18	---	---	---	---	315.573	315.688	315.818	315.780	316.058	315.879	---	---	18
19	---	---	---	---	315.573	315.701	315.818	315.776	316.066	315.869	---	---	19
20	---	---	---	---	315.606	315.712	315.819	315.769	316.075	315.854	---	---	20
21	---	---	---	---	315.619	315.723	315.817	315.766	316.081	315.844	---	---	21
22	---	---	---	---	315.582	315.730	315.811	315.760	316.088	315.832	---	---	22
23	---	---	---	---	315.583	315.740	315.806	315.759	316.091	315.825	---	---	23
24	---	---	---	---	315.587	315.755	315.803	315.758	316.095	315.816	---	---	24
25	---	---	---	---	315.592	315.762	315.800	315.755	316.097	315.804	---	---	25
26	---	---	---	---	315.597	315.770	315.795	315.752	316.106	315.800	---	---	26
27	---	---	---	---	315.609	315.787	315.791	315.747	316.100	315.787	---	---	27
28	---	---	---	---	315.619	315.800	315.787	315.742	316.107	315.786	---	---	28
29	---		---	---	315.629	315.811	315.782	315.737	316.106	315.785	---	---	29
30	---		---	---	315.627	315.824	315.782	315.733	316.112	315.782	---	---	30
31	---		---		315.628		315.791	315.732		315.776		---	31
MEAN	---	---	---	---	---	315.689	315.822	315.779	315.977	315.939	---	---	MEAN
MAX	---	---	---	---	---	315.824	315.856	315.821	316.112	316.147	---	---	MAX
MIN	---	---	---	---	---	315.619	315.782	315.732	315.712	315.776	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY, 316.147 ON OCT 5

MAXIMUM INSTANTANEOUS,
316.151 AT 06:00 CST ON OCT 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 41 N
LONG 95 32 41 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO. 05SA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.031B	0.012B	0.165B	3.10 B	0.225	0.667	1.31	0.082	0.030	2.16	2.80	0.725B	1
2	0.027B	0.011B	0.152B	3.48 B	0.206	0.648	1.47	0.046	0.019	2.53	2.84	0.713B	2
3	0.004B	0.015B	0.131B	3.70 B	0.187	0.664	1.57	0.054	0.016	2.62	2.84	0.695B	3
4	0.001B	0.024B	0.075B	3.51 B	0.178	0.660	1.62	0.058	0.015	2.91	2.76	0.677B	4
5	0.005B	0.030B	0.176B	2.87 B	0.164	0.632	1.65	0.073	0.012	3.06	2.87	0.659B	5
6	0.015B	0.016B	0.150B	1.39 B	0.158	0.605	1.62	0.184	0.066	3.08	2.93	0.648B	6
7	0.016B	0.049B	0.190B	0.726B	0.158	0.589	1.59	0.218	0.183	3.16	2.56 B	0.636B	7
8	0.014B	0.073B	0.183B	0.796B	0.158	0.569	1.49	0.192	2.29	3.01	2.32 B	0.524B	8
9	0.011B	0.030B	0.267B	0.858B	0.145	0.555	1.34	0.166	1.53	2.91	2.07 B	0.427B	9
10	0.011B	0.016B	0.250B	0.794	0.148	0.545	1.19	0.211	2.02	2.82	1.94 B	0.363B	10
11	0.014B	0.012B	0.250B	0.735	0.146	0.508	1.04	0.211	2.42	2.73	2.17 B	0.309B	11
12	0.022B	0.016B	0.431B	0.654	0.142	0.466	0.943	0.153	2.26	2.72	2.37 B	0.258B	12
13	0.035B	0.032B	0.528B	0.585	0.134	0.424	0.848	0.115	2.19	2.93	2.71 B	0.192B	13
14	0.081B	0.065B	0.390B	0.552	0.129	0.384	0.769	0.077	2.00	3.14	2.44 B	0.124B	14
15	0.045B	0.166B	0.470B	0.503	0.132	0.351	0.726	0.049	1.76	3.05	2.22 B	0.069B	15
16	0.041B	0.209B	0.481B	0.414	0.140	0.339	0.640	0.042	1.52	3.03	1.89 B	0.035B	16
17	0.031B	0.138B	0.472B	0.354	0.140	0.343	0.512	0.040	1.33	3.04	1.57 B	0.027B	17
18	0.017B	0.206B	0.532B	0.322	0.140	0.340	0.427	0.034	1.14	3.22	1.41 B	0.034B	18
19	0.019B	0.267B	0.443B	0.298	0.119	0.325	0.381	0.028	0.955	3.33	1.12 B	0.038B	19
20	0.017B	0.345B	0.375B	0.279	0.103	0.419	0.331	0.024	0.751	3.33	0.850B	0.045B	20
21	0.010B	0.270B	0.422B	0.273	0.097	0.574	0.268	0.019	0.611	3.26	0.671B	0.090B	21
22	0.018B	0.171B	0.589B	0.269	0.104	0.708	0.204	0.017	0.538	3.08B	0.630B	0.268B	22
23	0.067B	0.142B	0.769B	0.278	0.152	0.808	0.168	0.015	0.470	2.96B	0.713B	0.297B	23
24	0.052B	0.340B	0.967B	0.265	0.158	0.872	0.144	0.014	0.388	2.54B	0.755B	0.372B	24
25	0.033B	0.318B	1.59 B	0.235	0.265	0.908	0.121	0.016	0.411	2.44B	0.766B	0.360B	25
26	0.029B	0.278B	3.06 B	0.218	0.342	0.927	0.122	0.016	0.549	3.00B	0.766B	0.163B	26
27	0.015B	0.270B	3.53 B	0.198	0.455	0.925	0.132	0.016	0.682	2.56B	0.755B	0.080B	27
28	0.014B	0.194B	3.37 B	0.187	0.771	0.954	0.126	0.016	0.964	2.54B	0.743B	0.149B	28
29	0.012B		3.22 B	0.164	0.849	1.05	0.080	0.016	1.43	2.95	0.737B	0.212B	29
30	0.014B		2.94 B	0.182	0.808	1.15	0.087	0.015	1.63	2.99	0.731B	0.253B	30
31	0.014B		2.98 B		0.753		0.111	0.028		2.82		0.246B	31
TOTAL	0.735	3.715	29.508	28.189	7.806	18.909	23.030	2.245	30.180	89.92	51.947	9.688	TOTAL
MEAN	0.024	0.133	0.952	0.940	0.252	0.630	0.743	0.072	1.01	2.90	1.73	0.313	MEAN
MAX	0.081	0.345	3.53	3.70	0.849	1.15	1.65	0.218	2.42	3.33	2.93	0.725	MAX
MIN	0.001	0.011	0.075	0.164	0.097	0.325	0.080	0.014	0.012	2.16	0.630	0.027	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.811
MAXIMUM DAILY, 3.70B ON APR 3
MINIMUM DAILY, 0.001B ON JAN 4
MAXIMUM INSTANTANEOUS,
3.91 AT 21:59 CST ON OCT 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 25 46 W
DRAINAGE AREA, 1 580 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	63.5	JUL	1 990
FEB	321	AUG	194
MAR	2 550	SEP	2 610
APR	2 440	OCT	7 770
MAY	674	NOV	4 490
JUN	1 630	DEC	837

TOTAL DISCHARGE, 25 600 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO. 05SA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.500B	0.001	0.022	0.052	0	0	0.225	---	---	1
2	---	---	0 B	0.380B	0.012	0.015	0.084	0	0	0.211	---	---	2
3	---	---	0 B	0.298B	0.005	0.012	0.141	0	0	0.230	---	---	3
4	---	---	0 B	0.242B	0	0.010	0.179	0	0	0.335	---	---	4
5	---	---	0 B	0.215B	0	0.009	0.203	0	0	0.392	---	---	5
6	---	---	0 B	0.182B	0	0.003	0.213	0	0.151	0.429	---	---	6
7	---	---	0 B	0.165B	0	0	0.205	0	0.253	0.429	---	---	7
8	---	---	0 B	0.149B	0	0	0.200	0	0.156	0.431	---	---	8
9	---	---	0 B	0.139B	0	0.003	0.188	0	0.160	0.449	---	---	9
10	---	---	0 B	0.092	0	0	0.168	0	0.147	0.464	---	---	10
11	---	---	0 B	0.076	0	0	0.149	0	0.131	0.446	---	---	11
12	---	---	0 B	0.060	0	0	0.126	0	0.110	0.509	---	---	12
13	---	---	0 B	0.035	0	0	0.096	0	0.089	0.572	---	---	13
14	---	---	0 B	0.008	0	0.001	0.077	0	0.076	0.545	---	---	14
15	---	---	0 B	0.003	0	0.011	0.066	0	0.073	0.521	---	---	15
16	---	---	0 B	0.010	0	0.012	0.051	0	0.061	0.525	---	---	16
17	---	---	0 B	0.019	0	0.011	0.035	0	0.046	0.613	---	---	17
18	---	---	0 B	0.015	0	0.022	0.022	0	0.034	0.690	---	---	18
19	---	---	0 B	0.013	0	0.023	0.017	0	0.023	0.730	---	---	19
20	---	---	0.035B	0.010	0	0.022	0.016	0	0.016	0.733	---	---	20
21	---	---	0.028B	0.010	0	0.022	0.013	0	0.011	0.721	---	---	21
22	---	---	0.029B	0.010	0	0.018	0.010	0	0.007	0.719B	---	---	22
23	---	---	0.036B	0.008	0.003	0.017	0.007	0	0.017	0.730B	---	---	23
24	---	---	0.042B	0.007	0.018	0.023	0.004	0	0.029	0.731B	---	---	24
25	---	---	0.105B	0.012	0.022	0.021	0.002	0	0.021	0.732B	---	---	25
26	---	---	0.113B	0.010	0.024	0.015	0	0	0.032	0.724B	---	---	26
27	---	---	0.120B	0.006	0.024	0.033	0	0	0.095	0.693B	---	---	27
28	---	---	0.120B	0.003	0.021	0.048	0	0	0.102	0.725B	---	---	28
29	---		0.205B	0.001	0.024	0.048	0	0	0.116	0.788	---	---	29
30	---		0.473B	0.001	0.021	0.041	0	0	0.140	0.807	---	---	30
31	---		0.459B		0.020		0	0		0.822		---	31
TOTAL	---	---	1.765	2.679	0.195	0.462	2.324	0	2.096	17.671	---	---	TOTAL
MEAN	---	---	0.057	0.089	0.006	0.015	0.075	0	0.070	0.570	---	---	MEAN
MAX	---	---	0.473	0.500	0.024	0.048	0.213	0	0.253	0.822	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0.211	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 0.822 ON OCT 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.837 AT 00:01 CST ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 96 21 57 W
DRAINAGE AREA, 847 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	201
FEB	---	AUG	0
MAR	152	SEP	181
APR	231	OCT	1 530
MAY	16.8	NOV	---
JUN	39.9	DEC	---

TOTAL DISCHARGE, 2 350 dam³

BUFFALO LAKE CHANNEL NEAR ALTONA - STATION NO. 05OC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.263B	0.195B	0	0.102	0E	0E	0	0	---	---	1
2	---	---	0.219B	0.170B	0	0.097	0E	0E	0	0	---	---	2
3	---	---	0.175B	0.157B	0	0.089	0E	0E	0	0	---	---	3
4	---	---	0.145B	0.162B	0	0.080	0E	0A	0	0	---	---	4
5	---	---	0.110B	0.149	0	0.071	0E	0	0	0	---	---	5
6	---	---	0.080B	0.125	0	0.062	0E	0	0	0	---	---	6
7	---	---	0.071B	0.104	0	0.056	0E	0	0A	0	---	---	7
8	---	---	0.069B	0.083	0	0.048	0E	0	0A	0	---	---	8
9	---	---	0.075B	0.066	0	0.043	0E	0	0	0	---	---	9
10	---	---	0.101B	0.050	0	0.037	0E	0	0	0	---	---	10
11	---	---	0.238B	0.036	0	0.032	0E	0	0	0	---	---	11
12	---	---	0.360B	0.023	0	0.028	0E	0	0	0	---	---	12
13	---	---	0.550B	0.007	0	0.023	0E	0	0	0	---	---	13
14	---	---	0.866B	0.003	0	0.023	0E	0	0	0	---	---	14
15	---	---	0.859B	0	0	0.017	0E	0	0	0	---	---	15
16	---	---	0.823B	0	0	0.013	0E	0	0	0	---	---	16
17	---	---	0.758B	0	0	0.011	0E	0	0	0	---	---	17
18	---	---	0.722B	0	0	0.001	0E	0	0	0	---	---	18
19	---	---	0.682B	0	0	0	0E	0	0	0	---	---	19
20	---	---	0.470B	0	0	0	0E	0	0	0	---	---	20
21	---	---	0.330B	0	0	0	0E	0	0	0	---	---	21
22	---	---	0.200B	0	0	0	0E	0	0	0	---	---	22
23	---	---	0.085B	0	0	0	0E	0	0	0	---	---	23
24	---	---	0.090B	0	0.130E	0	0E	0	0	0	---	---	24
25	---	0.514B	0.095B	0	0.128E	0	0E	0	0	0	---	---	25
26	---	---	0.100B	0	0.125E	0	0E	0	0	0	---	---	26
27	---	---	0.110B	0	0.123E	0	0E	0	0	0	---	---	27
28	---	---	0.122B	0	0.120E	0 E	0E	0	0	0	---	---	28
29	---		0.146B	0	0.115E	0 E	0E	0	0	0	---	---	29
30	---		0.155B	0	0.113E	0 E	0E	0	0	0	---	---	30
31	---		0.190B		0.108E		0E	0		0		---	31
TOTAL	---	---	9.259	1.330	0.962	0.833	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.299	0.044	0.031	0.028	0	0	0	0	---	---	MEAN
MAX	---	---	0.866	0.195	0.130	0.102	0	0	0	0	---	---	MAX
MIN	---	---	0.069	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.051
MAXIMUM DAILY, 0.866B ON MAR 14
MINIMUM DAILY, 0 ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 28 N
LONG 97 36 35 W
DRAINAGE AREA, 448 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	800	SEP	0
APR	115	OCT	0
MAY	83.1	NOV	---
JUN	72.0	DEC	---

TOTAL DISCHARGE, 1 070 dam³

BURNT LAKE DRAIN NO. 1 NEAR DEERHORN - STATION NO. 05LN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.263E	0.126	0.024	0.063	---	---	---	---	---	1
2	---	---	0 B	0.290E	0.122	0.026	0.058	---	---	---	---	---	2
3	---	---	0 B	0.307E	0.119	0.038	0.048	---	---	---	---	---	3
4	---	---	0 B	0.312E	0.111	0.044	0.039	---	---	---	---	---	4
5	---	---	0 B	0.301E	0.104	0.061	0.031	---	---	---	---	---	5
6	---	---	0 B	0.290E	0.100	0.054	0.021	---	---	---	---	---	6
7	---	---	0 B	0.278	0.094	0.050	0.014	---	---	---	---	---	7
8	---	---	0 B	0.244	0.089	0.043	0.009	---	---	---	---	---	8
9	---	---	0 B	0.221	0.084	0.039	0.004	---	---	---	---	---	9
10	---	---	0 B	0.213	0.082	0.036	0.002	---	---	---	---	---	10
11	---	---	0.003B	0.216	0.078	0.032	0.001	---	---	---	---	---	11
12	---	---	0.003B	0.218	0.073	0.029	0.001	---	---	---	---	---	12
13	---	---	0.001B	0.221	0.069	0.026	0.001	---	---	---	---	---	13
14	---	---	0 B	0.223	0.065	0.027	0.001	---	---	---	---	---	14
15	---	---	0 B	0.214	0.059	0.029	0.002	---	---	---	---	---	15
16	---	---	0 B	0.197	0.056	0.030	0.003	---	---	---	---	---	16
17	---	---	0 B	0.191	0.052	0.033	0.002	---	---	---	---	---	17
18	---	---	0 B	0.187	0.047	0.044	0.001	---	---	---	---	---	18
19	---	---	0 B	0.174	0.040	0.037	0.001	---	---	---	---	---	19
20	---	---	0 B	0.148	0.037	0.035	0	---	---	---	---	---	20
21	---	---	0 B	0.133	0.030	0.031	---	---	---	---	---	---	21
22	---	---	0 B	0.130	0.025	0.026	---	---	---	---	---	---	22
23	---	---	0 B	0.129	0.024	0.023	---	---	---	---	---	---	23
24	---	---	0.010B	0.122	0.026	0.026	---	---	---	---	---	---	24
25	---	---	0.028B	0.128	0.029	0.024	---	---	---	---	---	---	25
26	---	---	0.020B	0.130	0.026	0.018	---	---	---	---	---	---	26
27	---	---	0.020B	0.129	0.023	0.020	---	---	---	---	---	---	27
28	---	---	0.197E	0.125	0.022	0.028	---	---	---	---	---	---	28
29	---		0.207E	0.116	0.026	0.021	---	---	---	---	---	---	29
30	---		0.234	0.127	0.027	0.016	---	---	---	---	---	---	30
31	---		0.243E		0.025		---	---		---		---	31
TOTAL	---	---	0.966	5.977	1.890	0.970	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.031	0.199	0.061	0.032	---	---	---	---	---	---	MEAN
MAX	---	---	0.243	0.312	0.126	0.061	---	---	---	---	---	---	MAX
MIN	---	---	0	0.116	0.022	0.016	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 0.312E ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.321 AT 00:00 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 39 N
LONG 98 02 27 W
DRAINAGE AREA, 334 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	83.5	SEP	---
APR	516	OCT	---
MAY	163	NOV	---
JUN	83.8	DEC	---

TOTAL DISCHARGE, 846 dam³

BURNT LAKE DRAIN NO. 2 NEAR LUNDAR - STATION NO. 05LN003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.526	0.198	0.017	0.029	0.006	0.053	0.022	---	---	1
2	---	---	0 B	0.546	0.147	0.015	0.445	0	0.019	0.023	---	---	2
3	---	---	0 B	0.525	0.136	0.016	4.15	0	0.016	0.029	---	---	3
4	---	---	0 B	0.549	0.177	0.019	2.84	0	0.006	0.099	---	---	4
5	---	---	0 B	0.572	0.137	0.036	1.78	0.002	0.003	0.120	---	---	5
6	---	---	0 B	0.592	0.101	0.048	1.33	0.054	0.050	0.096	---	---	6
7	---	---	0 B	0.564	0.094	0.057	0.736	0.031	0.064	0.074	---	---	7
8	---	---	0 B	0.534	0.088	0.047	0.644	0.023	0.043	0.072	---	---	8
9	---	---	0 B	0.515	0.149	0.044	0.465	0.008	0.023	0.079	---	---	9
10	---	---	0 B	0.485	0.081	0.036	0.405	0.008	0.012	0.085	---	---	10
11	---	---	0.034B	0.430	0.064	0.031	0.377	0.002	0.006	0.068	---	---	11
12	---	---	0.068B	0.436	0.053	0.029	0.309	0	0.003	0.078	---	---	12
13	---	---	0.085B	0.400	0.045	0.027	0.246	0	0.001	0.124	---	---	13
14	---	---	0.102B	0.389	0.036	0.028	0.207	0	0	0.129	---	---	14
15	---	---	0.119B	0.348	0.032	0.032	0.145	0	0.001	0.110	---	---	15
16	---	---	0.120B	0.358	0.028	0.033	0.173	0	0.001	0.107	---	---	16
17	---	---	0.120B	0.352	0.027	0.035	0.147	0	0.002	0.126	---	---	17
18	---	---	0.120B	0.299	0.028	0.048	0.155	0	0.003	0.119	---	---	18
19	---	---	0.132B	0.283	0.026	0.054	0.089	0	0.003	0.115	---	---	19
20	---	---	0.144B	0.260	0.022	0.049	0.061	0	0.003	0.120	---	---	20
21	---	---	0.156B	0.201	0.020	0.048	0.093	0	0.005	0.088	---	---	21
22	---	---	0.168B	0.234	0.022	0.036	0.030	0	0.007	0.097	---	---	22
23	---	---	0.180B	0.273	0.028	0.030	0.007	0	0.008	0.109	---	---	23
24	---	---	0.192B	0.239	0.026	0.033	0.008	0	0.007	0.105	---	---	24
25	---	---	0.206B	0.209	0.024	0.027	0.001	0	0.008	0.121	---	---	25
26	---	---	0.351E	0.206	0.021	0.024	0	0	0.031	0.135	---	---	26
27	---	---	0.497E	0.215	0.018	0.035	0	0	0.028	0.129	---	---	27
28	---	---	0.642E	0.204	0.014	0.045	0	0	0.023	0.131	---	---	28
29	---		0.788E	0.174	0.024	0.033	0	0	0.018	0.150	---	---	29
30	---		1.02 A	0.223	0.028	0.038	0	0	0.018	0.163	---	---	30
31	---		1.02 E		0.023		0.004	0.031		0.182		---	31
TOTAL	---	---	6.264	11.141	1.917	1.050	14.876	0.165	0.465	3.205	---	---	TOTAL
MEAN	---	---	0.202	0.371	0.062	0.035	0.480	0.005	0.016	0.103	---	---	MEAN
MAX	---	---	1.02	0.592	0.198	0.057	4.15	0.054	0.064	0.182	---	---	MAX
MIN	---	---	0	0.174	0.014	0.015	0	0	0	0.022	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.160
MAXIMUM DAILY, 4.15 ON JUL 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.74 AT 04:46 CST ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 05 24 W
DRAINAGE AREA, 746 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 290
FEB	---	AUG	14.3
MAR	541	SEP	40.2
APR	963	OCT	277
MAY	166	NOV	---
JUN	90.7	DEC	---

TOTAL DISCHARGE, 3 380 dam³

BURNTWOOD RIVER ABOVE THREE POINT LAKE - STATION NO. 05TE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.7B	11.7 B	8.13B	6.40B	6.25B	42.4	34.9	26.2	21.5	8.69	29.9	16.1B	1
2	15.6B	11.6 B	8.04B	6.34B	7.74B	41.6	35.5	25.7	21.2	8.62	31.5	15.9B	2
3	15.5B	11.4 B	7.97B	6.29B	14.0 B	40.6	35.6	26.1	21.1	8.72	31.1	15.5B	3
4	15.5B	11.2 B	7.89B	6.26B	29.3 B	39.6	35.9	27.1	20.2	8.74	30.1	15.4B	4
5	15.5B	11.0 B	7.81B	6.21B	65.7	39.2	35.4	27.7	20.2	8.75	29.2	15.1B	5
6	15.4B	10.8 B	7.76B	6.17B	93.2	39.8	34.7	27.8	19.3	8.70	28.2	14.8B	6
7	15.4B	10.6 B	7.69B	6.12B	128	40.6	34.0	28.2	18.6	8.59	27.6	14.6B	7
8	15.2B	10.4 B	7.64B	6.10B	148	41.5	32.2	28.0	17.3	8.47	26.8	14.3B	8
9	15.2B	10.3 B	7.58B	6.08B	156	43.0	31.8	27.4	16.6	8.44	26.1	14.1B	9
10	15.2B	10.2 B	7.52B	6.01B	155	44.2	32.9	26.7	15.9	8.81	25.3	13.9B	10
11	15.1B	10.0 B	7.48B	5.98B	144	44.0	32.7	26.7	15.1	9.50	24.5B	13.7B	11
12	14.9B	9.92B	7.42B	5.94B	135	43.3	31.9	26.1	14.1	10.5	23.9B	13.6B	12
13	14.8B	9.79B	7.36B	5.91B	130	42.1	31.0	25.5	13.1	14.9	23.3B	13.5B	13
14	14.6B	9.66B	7.31B	5.87B	127	40.4	30.0	25.6	12.6	24.2	22.7B	13.3B	14
15	14.4B	9.50B	7.25B	5.83B	122	38.9	29.5	24.9	11.8	33.0	22.2B	13.1B	15
16	14.3B	9.40B	7.19B	5.80B	115	37.5	29.1	24.7	11.1	37.6	21.8B	13.0B	16
17	14.1B	9.30B	7.14B	5.77B	106	37.0	28.1	24.9	10.5	41.7	21.3B	12.9B	17
18	13.8B	9.20B	7.09B	5.74B	97.5	36.3	27.8	24.6	10.2	44.2	20.9B	12.8B	18
19	13.7B	9.09B	7.03B	5.70B	90.5	34.9	28.3	24.6	9.64	43.8	20.4B	12.7B	19
20	13.6B	8.98B	6.98B	5.68B	83.9	34.9	27.8	24.3	8.96	41.3	20.0B	12.6B	20
21	13.4B	8.88B	6.92B	5.66B	78.7	34.9	27.3	24.1	8.36	36.5	19.6B	12.5B	21
22	13.3B	8.78B	6.88B	5.63B	73.3	34.6	27.0	24.3	8.04	35.1	19.2B	12.4B	22
23	13.1B	8.70B	6.83B	5.61B	67.1	34.0	27.7	24.5	7.79	32.4	18.8B	12.3B	23
24	13.0B	8.59B	6.77B	5.58B	62.2	34.1	28.4	24.3	7.76	30.9	18.5B	12.1B	24
25	12.9B	8.51B	6.73B	5.56B	59.0	34.2	27.7	24.1	7.85	28.5	18.1B	12.1B	25
26	12.7B	8.42B	6.66B	5.54B	56.5	35.0	27.5	24.1	8.18	26.7	17.8B	12.0B	26
27	12.6B	8.35B	6.61B	5.53B	54.1	36.2	27.3	23.9	8.45	24.9	17.4B	12.0B	27
28	12.4B	8.27B	6.58B	5.51B	51.5	36.4	27.3	23.4	8.62	23.5	17.1B	11.9B	28
29	12.2B		6.54B	5.51B	48.5	35.9	27.9	23.7	8.66	22.6	16.8B	11.8B	29
30	12.1B		6.48B	5.57B	45.8	35.1	27.5	23.5	8.69	22.9	16.4B	11.8B	30
31	11.9B		6.43B		43.9		27.1	22.5		26.5		11.7B	31
TOTAL	437.1	272.50	223.71	175.90	2 594.69	1 152.2	941.8	785.2	391.40	697.73	686.5	413.5	TOTAL
MEAN	14.1	9.73	7.22	5.86	83.7	38.4	30.4	25.3	13.0	22.5	22.9	13.3	MEAN
MAX	15.7	11.7	8.13	6.40	156	44.2	35.9	28.2	21.5	44.2	31.5	16.1	MAX
MIN	11.9	8.27	6.43	5.51	6.25	34.0	27.0	22.5	7.76	8.44	16.4	11.7	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.0
MAXIMUM DAILY, 156 ON MAY 9
MINIMUM DAILY, 5.51B ON APR 28
MAXIMUM INSTANTANEOUS,
160 AT 13:30 CST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 50 N
LONG 99 06 00 W
DRAINAGE AREA, 6 660 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 800	JUL	81 400
FEB	23 500	AUG	67 800
MAR	19 300	SEP	33 800
APR	15 200	OCT	60 300
MAY	224 000	NOV	59 300
JUN	99 600	DEC	35 700

TOTAL DISCHARGE, 758 000 dam³

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	979B	983B	975B	933B	908B	940E	1 020	1 090	1 040	749	667E	674B	1
2	979B	983B	972B	934B	904B	917A	1 020	1 080	1 050A	738	665E	674B	2
3	979B	983B	969B	935B	902B	909E	1 020	1 080	1 040E	728	661E	674B	3
4	979B	983B	967B	937B	901B	907E	1 030	1 080	1 040E	721	659E	673B	4
5	979B	983B	963B	940B	899B	907E	1 030	1 090	1 040E	712	657E	673B	5
6	979B	983B	957B	942B	898B	908E	1 040	1 090	1 030E	702	657A	673B	6
7	979B	983B	955B	944B	899B	909E	1 040	1 090	1 030E	695	657	672B	7
8	980B	983B	951B	946B	901B	914A	1 040	1 090	1 010E	691	657	672B	8
9	980B	983B	946B	947B	904B	912	1 040	1 080	1 010E	689	664	671B	9
10	980B	983B	943B	950B	910B	910	1 040	1 080	996E	681	665B	670B	10
11	980B	983B	938B	952B	921E	914	1 040	1 080	986E	673	665B	669B	11
12	981B	983B	935B	954B	934E	916	1 040	1 080	971E	673	666B	667B	12
13	981B	983B	931B	955B	951E	921	1 050	1 070	964E	674	667B	666B	13
14	981B	983B	927B	957B	968E	924	1 050	1 070	951E	672	667B	665B	14
15	981B	983B	924B	958B	979E	931	1 050	1 060	937E	672	668B	663B	15
16	982B	983B	921B	958B	989E	936	1 060	1 050	927E	673	669B	661B	16
17	982B	983B	920B	958B	997E	947	1 050	1 050	915E	677A	669B	659B	17
18	982B	983B	918B	958B	1 000E	956	1 050	1 050	897A	679E	670B	657B	18
19	982B	982B	917B	958B	1 010E	959	1 060	1 050	889	680E	670B	654B	19
20	982B	982B	917B	957B	1 010E	970	1 050	1 050	880	680E	671B	652B	20
21	982B	982B	917B	957B	1 010E	978	1 050	1 050	867	681E	672B	649B	21
22	983B	981B	917B	953B	1 010E	983	1 050	1 050	855	681E	672B	646B	22
23	983B	981B	917B	949B	1 010E	988	1 070	1 050	841	681E	673B	643B	23
24	983B	980B	918B	946B	1 010E	994	1 110	1 050	828	680E	673B	639B	24
25	983B	980B	918B	938B	1 010E	997	1 120	1 050	816	680E	673B	636B	25
26	983B	980B	920B	933B	1 000E	1 000	1 120	1 050	816	679E	674B	634B	26
27	983B	979B	921B	926B	998A	1 000	1 120	1 050	801	678E	674B	630B	27
28	983B	979B	923B	919B	983E	1 010	1 110	1 050	786	677E	674B	627B	28
29	983B		925B	916B	968E	1 010	1 110	1 050	774	675E	674B	624B	29
30	983B		927B	911B	952E	1 020	1 100	1 050	763	673E	674B	622B	30
31	983B		930B		940E		1 090	1 040		670E		619B	31
TOTAL	30 419	27 500	28 979	28 321	29 676	28 487	32 870	33 000	27 750	21 314	20 024	20 308	TOTAL
MEAN	981	982	935	944	957	950	1 060	1 060	925	688	667	655	MEAN
MAX	983	983	975	958	1 010	1 020	1 120	1 090	1 050	749	674	674	MAX
MIN	979	979	917	911	898	907	1 020	1 040	763	670	657	619	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 900
MAXIMUM DAILY, 1 120 ON JUL 25
MINIMUM DAILY, 619B ON DEC 31
MAXIMUM INSTANTANEOUS,
1 130 AT 21:30 CST ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 40 N
LONG 97 53 30 W
DRAINAGE AREA, 18 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 630 000	JUL	2 840 000
FEB	2 380 000	AUG	2 850 000
MAR	2 500 000	SEP	2 400 000
APR	2 450 000	OCT	1 840 000
MAY	2 560 000	NOV	1 730 000
JUN	2 460 000	DEC	1 750 000

TOTAL DISCHARGE, 28 400 000 dam³

CEDAR LAKE AT EASTERVILLE - STATION NO. 05KL009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	255.235A	255.892A	256.154	256.267	256.169	255.974	255.953A	256.084A	256.107	1
2	---	---	---	255.267A	255.935A	256.147	256.310	256.256	255.997	255.938A	256.088A	256.103	2
3	---	---	---	255.282A	255.965A	256.130	256.284	256.151	256.093	255.968A	256.096A	256.108	3
4	---	---	---	255.319A	255.983A	256.135	256.275	256.155	256.006	255.999A	256.105A	256.105	4
5	---	---	---	255.334A	255.999A	256.181	256.281	256.150	256.045	256.005A	256.111A	256.106	5
6	---	---	---	255.331A	256.017A	256.127	256.198	256.154	256.091	255.968A	256.114A	256.116	6
7	---	---	---	255.352A	256.029A	256.094	256.240	256.135	256.121	255.953A	256.117A	256.125	7
8	---	---	---	255.358A	256.050A	256.153	256.266	256.090	256.076	255.922A	256.127A	256.119	8
9	---	---	---	255.386A	256.059A	256.162	256.241	256.092	256.110	255.959A	256.120A	256.109	9
10	---	---	---	255.404A	256.075A	256.185	256.207	256.101	256.093	255.974A	256.136A	256.095	10
11	---	---	---	255.419A	256.090A	256.169	256.198A	256.106	256.099	255.998A	256.157A	256.084	11
12	---	---	---	255.435A	256.096A	256.153	256.198A	256.047	256.099	255.974A	256.197A	256.072	12
13	---	---	---	255.444A	256.112A	256.137	256.152A	256.058	256.108	256.142A	256.206A	256.054	13
14	---	---	---	255.450A	256.137A	256.061	256.121A	256.058	256.076	256.139A	256.200A	256.028	14
15	---	---	---	255.465A	256.128A	256.107	256.106A	256.017	256.064	256.075A	256.203A	256.004A	15
16	---	---	---	255.496A	256.121A	256.150	256.137A	256.005	256.052	256.066A	256.206A	255.983A	16
17	---	---	---	255.526A	256.152A	256.086	256.198A	256.032	256.047	256.075A	256.187A	---	17
18	---	---	---	255.541A	256.167A	256.141	256.209A	256.014	256.069	256.090A	256.189	---	18
19	---	---	---	255.572A	256.173A	256.207	256.213A	256.036	256.018	256.105A	256.198	---	19
20	---	---	---	255.602A	256.182A	256.208	256.198A	256.029	255.937	256.090A	256.171	---	20
21	---	---	---	255.630A	256.195A	256.205	256.167A	256.022	255.969	256.075A	256.162	---	21
22	---	---	254.992A	255.648A	256.162	256.227	256.173A	256.048	255.945	256.066A	256.164	---	22
23	---	---	255.022A	255.663A	256.160	256.230	256.182A	256.054	256.020	256.090A	256.166	---	23
24	---	---	255.053A	255.694A	256.183	256.287	256.192A	256.063	256.014	256.059A	256.155	---	24
25	---	---	255.083A	255.724A	256.191	256.283	256.182	256.087	255.975A	256.029A	256.149	---	25
26	---	---	255.114A	255.724A	256.189	256.266	256.179	256.094	255.999A	256.020A	256.146	---	26
27	---	---	255.144A	255.782A	256.183	256.293	256.152	256.081	255.989A	256.014A	256.130	---	27
28	---	---	255.175A	255.803A	256.175	256.306	256.150	256.045	255.992A	256.059A	256.116	---	28
29	254.409A		255.190A	255.837A	256.150	256.307	256.177	256.071	255.983A	256.059A	256.112	---	29
30	---		255.205A	255.861A	256.159	256.253	256.109	256.031	255.989A	256.066A	256.109	---	30
31	---		255.211A		256.132		256.132	256.079		256.075A		---	31
MEAN	---	---	---	255.519	256.105	256.185	256.196	256.078	256.035	256.032	256.147	---	MEAN
MAX	---	---	---	255.861	256.195	256.307	256.310	256.169	256.121	256.142	256.206	---	MAX
MIN	---	---	---	255.235	255.892	256.061	256.106	256.005	255.937	255.922	256.084	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.310 ON JUL 2

MAXIMUM INSTANTANEOUS,
256.345 AT 07:59 CST ON JUL 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 00 N
LONG 99 50 00 W

A - MANUAL GAUGE

REGULATED

CEDAR LAKE NEAR OLESON POINT - STATION NO. 05KL005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.569	254.440	254.732	255.245	255.911	256.177	256.313	256.211	---	---	---	---	1
2	254.576	254.455	254.754	255.258	255.951	256.161	256.330	256.200	---	---	---	---	2
3	254.569	254.447	254.791	255.276	255.982	256.158	256.319	256.180	---	---	---	---	3
4	254.559	254.436	254.791	255.292	256.008	256.158	256.299	256.175	---	---	---	---	4
5	254.544	254.428	254.813	255.308	256.017	256.190	256.308	256.168	---	---	---	---	5
6	254.516	254.413	254.825	255.346	256.035	256.158	256.247	256.178	---	---	---	---	6
7	254.503	254.405	254.844	255.353	256.060	256.134	256.270	256.158	---	---	---	---	7
8	254.480	254.424	254.872	255.364	256.069	256.179	256.236	256.130	---	---	---	---	8
9	254.458	254.445	254.888	255.375	256.082	256.189	256.249	256.112	---	---	---	---	9
10	254.438	254.450	254.901	255.416	256.086	256.189	256.225	256.117	---	---	---	---	10
11	254.423	254.443	254.934	255.434	256.100	256.195	256.210	256.121	256.128A	---	---	---	11
12	254.405	254.426	254.936	255.443	256.119	256.183	256.221	256.068	---	---	---	---	12
13	254.389	254.426	254.946	255.451	256.128	256.177	256.191	256.059	---	---	---	---	13
14	254.379	254.432	254.970	255.479	256.147	256.142	256.155	256.075	---	256.118A	---	---	14
15	254.375	254.458	254.991	255.492	256.135	256.164	256.149	256.038	---	256.109	---	---	15
16	254.374	254.476	255.013	255.513	256.144	256.178	256.204	256.001	---	256.090	---	---	16
17	254.370	254.486	255.025	255.539	256.161	256.169	256.234	256.035	---	256.119	---	---	17
18	254.369	254.502	255.037	255.561	256.175	256.252	256.240	256.021	---	256.129	---	---	18
19	254.374	254.528	255.031	255.584	256.195	256.233	256.250	256.042	---	256.127	---	---	19
20	254.388	254.552	255.055	255.604	256.182	256.239	256.227	256.046	---	256.137	---	---	20
21	254.397	254.573	255.065	255.627	256.199	256.249	256.211	256.044	---	256.145A	---	---	21
22	254.408	254.601	255.086	255.655	256.207	256.259	256.206	256.064	---	---	---	---	22
23	254.413	254.620	255.103	255.677	256.199	256.260	256.208	256.084	---	---	---	---	23
24	254.423	254.622	255.124	255.706	256.197	256.309	256.238	256.087	---	---	---	---	24
25	254.435	254.652	255.125	255.741	256.209	256.339	256.212	256.114	---	---	---	---	25
26	254.435	254.676	255.153	255.772	256.209	256.309	256.201	256.110A	---	---	---	---	26
27	254.440	254.704	255.184	255.790	256.208	256.324	256.183	256.111E	---	---	---	---	27
28	254.427	254.719	255.189	255.819	256.204	256.338	256.172	256.112E	---	---	---	---	28
29	254.431		255.198	255.844	256.204	256.344	256.195	256.113E	---	---	---	---	29
30	254.432		255.224	255.871	256.194	256.319	256.180	256.114E	---	---	---	---	30
31	254.429		255.232		256.169		256.211	256.116E		---		---	31
MEAN	254.443	254.509	254.995	255.528	256.125	256.223	256.229	256.103	---	---	---	---	MEAN
MAX	254.576	254.719	255.232	255.871	256.209	256.344	256.330	256.211	---	---	---	---	MAX
MIN	254.369	254.405	254.732	255.245	255.911	256.134	256.149	256.001	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.344 ON JUN 29
MINIMUM DAILY, 254.369 ON JAN 18
MAXIMUM INSTANTANEOUS,
256.355 AT 20:06 CST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 33 N
LONG 100 16 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHILDS LAKE NEAR BOGGY CREEK - STATION NO. 05MD008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.418A	1.456	---	1.474	1.434	1.386	1.340	---	---	1
2	---	---	---	---	1.458	---	1.484	1.435	1.380	1.335	---	---	2
3	---	---	---	---	1.462	---	1.484	1.435	1.376	1.333	---	---	3
4	---	---	---	---	1.467	---	1.479	1.434	1.371	1.332	---	---	4
5	---	---	---	---	1.469	---	1.481	1.434	1.369	1.328	---	---	5
6	---	---	---	---	1.469	---	1.476	1.433	1.370	1.327	---	---	6
7	---	---	---	---	1.469	---	1.474	1.427	1.366	1.322	---	---	7
8	---	---	---	---	1.468	---	1.460	1.424	1.364	1.321	---	---	8
9	---	---	---	---	1.464	---	1.453	1.420	1.360	1.319	---	---	9
10	---	---	---	---	1.463	---	1.453	1.418	1.358	1.318	---	---	10
11	---	---	---	---	1.461	---	1.452	1.415	1.357	1.317	---	---	11
12	---	---	---	---	1.461	---	1.449	1.417	1.353	1.320	---	---	12
13	---	---	---	---	1.459	---	1.447	1.411	1.350	1.327	---	---	13
14	---	---	---	---	1.459	---	1.453	1.403	1.348	1.326	---	---	14
15	---	---	---	---	1.463	---	1.459	1.405	1.345	1.324	---	---	15
16	---	---	---	---	1.456	---	1.465	1.398	1.341	1.320	---	---	16
17	---	---	---	---	1.450	---	1.464	1.397	1.335	1.324	---	---	17
18	---	---	---	---	1.450	---	1.464	1.401	1.332	1.324	---	---	18
19	---	---	---	---	1.447	---	1.461	1.422	1.327	1.318	---	---	19
20	---	---	---	---	1.446	---	1.460	1.419	1.324	1.317	---	---	20
21	---	---	---	---	1.449	---	1.450	1.415	1.323	1.312	---	---	21
22	---	---	---	---	1.452	---	1.443	1.416	1.321	1.311	---	---	22
23	---	---	---	1.433A	1.453	1.476A	1.440	1.414	1.317	1.308	---	---	23
24	---	---	---	1.432A	1.455	1.476	1.443	1.411	1.314A	1.305	---	---	24
25	---	---	---	1.434	1.452	1.476	1.438	1.410	1.320E	1.302	---	---	25
26	---	---	---	1.433A	1.449A	1.474	1.434	1.409	1.325E	1.304	---	---	26
27	---	---	---	1.435	1.450E	1.472	1.428	1.407	1.331E	1.302	---	---	27
28	---	---	---	1.443	1.451E	1.474	1.421	1.403	1.336E	1.301A	---	---	28
29	---		---	1.447	1.452E	1.475	1.424	1.396	1.342A	1.301E	---	---	29
30	---		---	1.453	1.453E	1.468	1.433	1.395	1.343	1.301E	---	---	30
31	---		---		1.454E		1.437	1.394		1.301E		---	31
MEAN	---	---	---	---	1.457	---	1.454	1.415	1.386	1.317	---	---	MEAN
MAX	---	---	---	---	1.469	---	1.484	1.435	1.386	1.340	---	---	MAX
MIN	---	---	---	---	1.446	---	1.421	1.394	1.314	1.301	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 37 N
LONG 101 01 54 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO. 06EA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	831E	802E	762	736	841	703	606	563	---	---	---	1
2	---	831E	800E	765	739	834	709	603	566	---	---	---	2
3	---	830E	798E	762	743	834	711	606	566	---	---	---	3
4	---	829E	795E	760	746	827	710	600	568	---	---	---	4
5	---	827E	792E	762	751	819	708	594	570	---	---	---	5
6	---	826E	790E	763	762	811	700	595	569	---	---	---	6
7	---	826E	788E	759	770	802	698	590	564	---	---	---	7
8	---	825E	786E	756	779	801	703	587	567	---	---	---	8
9	---	825E	784E	753	793	797	698	585	569	---	---	---	9
10	---	825E	783E	751	808	788	688	586	565	---	---	---	10
11	---	825E	780E	753	821	778	682	582	565	---	---	---	11
12	---	824E	778E	751	828	779	677	575	565	---	---	---	12
13	---	824E	777E	743	836	776	675	577	564	---	---	---	13
14	850A	822E	777E	748	835	770	675	573	562A	---	---	---	14
15	844	821E	776E	750	843	767	669	575	---	---	---	---	15
16	848	820E	775E	745	847	756	665	576	---	---	---	---	16
17	845	820E	773E	746	856	745	663	572	---	---	---	---	17
18	838	818E	772E	746	862	737	658	570	---	---	---	---	18
19	838	816E	771E	745	866	729	646	568	---	---	---	---	19
20	838	815E	770E	749	869	730	643	572	---	---	---	---	20
21	845	813E	768E	747	867	726	644	572	---	---	---	---	21
22	839	813E	767E	754	856	722	638	572	---	---	---	---	22
23	839	812E	767E	751	860	718	634	574	---	---	---	---	23
24	839	810E	766E	750	860	715	631	573	---	---	---	---	24
25	833	810E	765E	747	864	716	625	574	---	---	---	---	25
26	833E	809E	764E	746	863	714	627	571	---	---	---	---	26
27	833E	807E	764E	747	858	708	627	572	---	---	---	---	27
28	833E	806E	764E	746	854	701	626	573	---	---	---	---	28
29	832E		762E	741	843	704	616	569	---	---	---	---	29
30	832E		761E	739	838	707	613	562	---	---	---	---	30
31	832E		761A		835		608	562		---		---	31
TOTAL	---	22 960	24 076	22 537	25 488	22 852	20 570	17 966	---	---	---	---	TOTAL
MEAN	---	820	777	751	822	762	664	580	---	---	---	---	MEAN
MAX	---	831	802	765	869	841	711	606	---	---	---	---	MAX
MIN	---	806	761	739	736	701	608	562	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 869 ON MAY 20

MAXIMUM INSTANTANEOUS,
875 AT 17:27 CST ON MAY 20

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 09 00 N
LONG 100 27 30 W
DRAINAGE AREA, 228 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 780 000
FEB	1 980 000	AUG	1 550 000
MAR	2 080 000	SEP	---
APR	1 950 000	OCT	---
MAY	2 200 000	NOV	---
JUN	1 970 000	DEC	---

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 06EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	939	943	905	841	801	968	868	747	672	648	687	716	1
2	934	942	902	843	802	963	864	742	668A	647	684	714	2
3	929	942	901	842	803	959	856	740	676	650	683	714	3
4	926	940	900	841	803	956	853	734	670	651	681	716	4
5	934	940	899	838	806	957	848	734	668	650	687	717	5
6	938	939	896	834	807	952	834	733	668	651	689	716	6
7	934	938	893	840	813	954	831	731	669	651	690	717	7
8	936	936	892	836	823	962	842	728	667	647	692	716	8
9	935	936	889	832	829	951	841	724	667	646	691	716	9
10	936	935	887	830	833	954	821	718	667	657	692	716	10
11	936	933	885	827	838	941	817	720	667	663	693	716	11
12	937	931	881	826	849	938	820	719	663	662	694	717	12
13	939	928	879	826	863	939	813	722	662	666	695	720	13
14	941	924	875	830	875	933	807	714	660	669	697	719	14
15	941	925	870	833	887	928	804	708	658	670	696	717	15
16	942E	924	865	834	892	921	810	705	659	671	700	717	16
17	943E	923	868	833	906	916	812	698	658	669	703	717	17
18	944E	920	867	833	914	918	800	699	656	673	705	716	18
19	945E	920	860	830	922	914	793	694	652	669	706	716	19
20	946E	917	859	826	931	914	782	685	650	674	706	716	20
21	946E	920	862	826	933	908	779	689	651	674	707	714	21
22	944A	919	863	825	943	900	770	685	650	674	708	714	22
23	944	914	862	822	951	889	764	685	656	675	709	713	23
24	945	915	858	820	955	891	774	687	655	672	711	714	24
25	945	912	857	816	961	890	776	686	651	675	712	715	25
26	948	910	855	814	962	888	771	686	645	671	713	714	26
27	949	909	853	809	965	884	767	687	648	675	714	712	27
28	948	908	852	806	960	878	762	685	648	675	715	713	28
29	946		850	805	965	873	756	685	647	676	715	710	29
30	945		849	804	972	868	753	676	648	679	716	709	30
31	942		848		972		750	679		684		710	31
TOTAL	29 157	25 943	27 082	24 822	27 536	27 707	24 938	21 925	19 776	20 614	20 991	22 167	TOTAL
MEAN	941	927	874	827	888	924	804	707	659	665	700	715	MEAN
MAX	949	943	905	843	972	968	868	747	676	684	716	720	MAX
MIN	926	908	848	804	801	868	750	676	645	646	681	709	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 802
MAXIMUM DAILY, 972 ON MAY 30
MINIMUM DAILY, 645 ON SEP 26
MAXIMUM INSTANTANEOUS,
973 AT 05:14 CST ON JUN 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 29 37 N
LONG 100 02 55 W
DRAINAGE AREA, 242 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 520 000	JUL	2 150 000
FEB	2 240 000	AUG	1 890 000
MAR	2 340 000	SEP	1 710 000
APR	2 140 000	OCT	1 780 000
MAY	2 380 000	NOV	1 810 000
JUN	2 390 000	DEC	1 920 000

TOTAL DISCHARGE, 25 300 000 dam³

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO. 06FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	305B	244B	217B	207B	---	731E	349E	177E	121E	108	237B	177B	1
2	304B	240B	217B	207B	---	714E	337E	180E	119E	109	233B	175B	2
3	303B	239B	216B	206B	---	698E	326E	179E	117E	111	231B	173B	3
4	302B	238B	216B	206B	---	693A	312E	177E	115E	112	228B	168B	4
5	301B	236B	216B	206B	---	684	308E	174E	114E	120	225B	165B	5
6	300B	235B	215B	206B	---	658	297E	170E	113E	125	222B	162B	6
7	299B	233B	215B	205B	---	646	290E	167E	113E	130	219B	159B	7
8	298B	231B	215B	205B	---	615	282E	164E	113E	138	216B	158B	8
9	297B	229B	214B	205B	---	610	271E	162E	113A	145	215B	156B	9
10	297B	228B	214B	204B	---	607	263E	161E	114	153	213B	155B	10
11	296B	227B	214B	204B	---	593	256E	159E	123	162	210B	153B	11
12	295B	226B	214B	204B	---	592	247E	157E	123	177	209B	151B	12
13	295B	225B	213B	204B	---	575	240E	155E	125	213	207B	149B	13
14	294B	224B	213B	204B	---	567	233E	153E	127	268	204B	148B	14
15	294B	223B	213B	204B	---	548	227E	151E	126	335	203B	147B	15
16	293B	223B	212B	204B	---	503	221E	150E	125	380	201B	147B	16
17	292B	222B	212B	203B	---	488	215E	149E	124	416	198B	147B	17
18	291B	222B	212B	203B	---	476	210E	147E	122	437	197B	146B	18
19	290B	221B	211B	203B	---	463	206E	145E	120	460B	195B	145B	19
20	288B	220B	211B	203B	---	445	201E	143E	119	462B	194B	144B	20
21	287B	220B	210B	202B	---	435	198E	141E	118	457B	192B	144B	21
22	286B	219B	210B	202B	---	427	195E	139E	117	440B	191B	144B	22
23	284B	219B	210B	202B	---	402	192E	138E	114	396B	189B	143B	23
24	282B	219B	210B	202B	---	393	186E	137E	114	349B	188B	143B	24
25	280B	218B	209B	202B	---	375	183E	135E	112	312B	186B	143B	25
26	277B	218B	209B	201B	---	369	180E	133E	112	286B	185B	143B	26
27	273B	218B	209B	201B	---	362	177E	131E	111	267B	183B	142B	27
28	270B	218B	208B	201B	---	361	174E	129E	109	256B	183B	142B	28
29	260B		208B	200B	---	354	173E	127E	108	252B	183B	142B	29
30	255B		208B	199B	---	354A	171E	125E	107	246B	182B	141B	30
31	250B		208B		---		174E	123E		240B		141B	31
TOTAL	8 938	6 335	6 579	6 105	---	15 738	7 294	4 678	3 508	8 062	6 119	4 693	TOTAL
MEAN	288	226	212	204	---	525	235	151	117	260	204	151	MEAN
MAX	305	244	217	207	---	731	349	180	127	462	237	177	MAX
MIN	250	218	208	199	---	354	171	123	107	108	182	141	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 107 ON SEP 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	772 000	JUL	630 000
FEB	547 000	AUG	404 000
MAR	568 000	SEP	303 000
APR	527 000	OCT	697 000
MAY	---	NOV	529 000
JUN	1 360 000	DEC	405 000

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO. 06FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	268B	208B	205B	202B	180B	297	113	90.0	64.2	79.7	230B	148B	1
2	267B	208B	205B	201B	171B	282	112	88.7	63.5	83.7	225B	146B	2
3	266B	208B	205B	201B	166B	269	113	88.3	64.6	87.1	220B	145B	3
4	265B	208B	205B	201B	160B	253	111	88.0	65.5	92.9	216B	143B	4
5	264B	208B	205B	201B	155B	244	110	86.7	64.3	99.8	213B	141B	5
6	263B	208B	205B	201B	151B	237	106	86.4	65.1	109	211B	139B	6
7	262B	208B	205B	201B	152B	228	107	85.3	64.6	118	207B	138B	7
8	261B	208B	204B	200B	167B	221	108	83.0	64.7	125	204B	135B	8
9	260B	207B	204B	200B	189B	216	107	83.8	65.9	130	201B	134B	9
10	259B	207B	204B	200B	201B	212	104	82.8	65.1	140	196B	131B	10
11	258B	207B	204B	200B	226	211	103	80.6	66.4	152	192B	129B	11
12	256B	207B	204B	200B	242	201	99.8	79.1	64.7	163	189B	128B	12
13	255B	207B	204B	200B	267	193	99.7	78.7	62.7	177	186B	127B	13
14	253B	207B	204B	199B	282	186	98.3	75.7	62.3	193	183B	126B	14
15	250B	207B	204B	199B	286	177	95.9	75.7	63.1	209	180B	125B	15
16	248B	207B	204B	199B	292	171	95.9	74.0	64.7	219	175B	124B	16
17	245B	207B	203B	199B	305	164	96.3	72.5	64.5	226	172B	124B	17
18	242B	206B	203B	199B	323	159	94.7	72.0	64.7	234	170B	123B	18
19	238B	206B	203B	199B	340	158	94.3	70.6	64.1	235	167B	123B	19
20	234B	206B	203B	198B	350	153	92.9	70.8	60.3	238	166B	123B	20
21	230B	206B	203B	198B	357	149	91.9	70.8	61.1	240	164B	121B	21
22	225B	206B	203B	198B	367	145	88.9	69.5	61.3	239	163B	121B	22
23	220B	206B	203B	197B	362	142	87.9	68.9	61.4	239	162B	121B	23
24	218B	206B	203B	196B	356	135	92.0	69.6	61.1	238	160B	121B	24
25	215B	206B	203B	196B	350	130	94.0	69.0	62.5	237	159B	121B	25
26	213B	206B	202B	195B	347	129	96.6	68.1	61.6	237 B	158B	121B	26
27	212B	205B	202B	194B	341	125	96.5	69.2	65.0	236 B	156B	121B	27
28	210B	205B	202B	192B	336	122	94.3	68.7	69.9	235 B	154B	121B	28
29	210B		202B	190B	330	120	92.4	65.5	73.8	234 B	152B	121B	29
30	209B		202B	186B	324	118	92.5	62.7	76.2	232 B	150B	121B	30
31	208B		202B		312		90.7	63.3		231 B		121B	31
TOTAL	7 484	5 791	6 310	5 942	8 387	5 547	3 079.5	2 358.0	1 938.9	5 709.2	5 481	3 983	TOTAL
MEAN	241	207	204	198	271	185	99.3	76.1	64.6	184	183	128	MEAN
MAX	268	208	205	202	367	297	113	90.0	76.2	240	230	148	MAX
MIN	208	205	202	186	151	118	87.9	62.7	60.3	79.7	150	121	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 170
MAXIMUM DAILY, 367 ON MAY 22
MINIMUM DAILY, 60.3 ON SEP 20
MAXIMUM INSTANTANEOUS,
371 AT 20:47 CST ON MAY 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 00 N
LONG 96 47 46 W
DRAINAGE AREA, 269 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	647 000	JUL	266 000
FEB	500 000	AUG	204 000
MAR	545 000	SEP	168 000
APR	513 000	OCT	493 000
MAY	725 000	NOV	474 000
JUN	479 000	DEC	344 000

TOTAL DISCHARGE, 5 360 000 dam³

CHURCHILL RIVER DIVERSION AT SOUTH BAY - STATION NO. 06EC002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.937	257.802	257.717	---	---	257.755E	257.784	257.596	257.247	---	256.958	257.002	1
2	257.934	257.799	257.711	---	---	257.760E	257.793	257.585	257.219	---	256.969	256.999	2
3	257.935	257.797	257.707	---	---	257.772A	257.784	257.575	257.250	---	256.981	256.998	3
4	257.930	257.795	257.705	---	---	257.774	257.784	257.568	257.215	---	256.985	257.003	4
5	257.923	257.797	257.695	---	---	257.794	257.778	257.562	257.204	---	256.975	257.003	5
6	257.915	257.796	257.696	---	---	257.800	257.778	257.555	257.205	---	256.956	257.010	6
7	257.909	257.793	257.690	---	---	257.804	257.783	257.553	257.207	---	256.972	257.007	7
8	257.905	257.782	257.688	---	---	257.808	257.747	257.544	257.192	---	256.998	257.006	8
9	257.894	257.779	257.682	---	---	257.812	257.728	257.523	257.180	---	256.990	257.000	9
10	257.887	257.774	257.678	---	---	257.815	257.751	257.501	257.167	---	256.982	257.007	10
11	257.887	257.770	257.671	---	---	257.819	257.749	257.504	257.167	---	256.979	257.020	11
12	257.886	257.766	257.668	---	---	257.816	257.746	257.495	257.165	---	256.978	257.011	12
13	257.884	257.751	257.666	---	---	257.822	257.742	257.457	257.161	---	256.975	257.009	13
14	257.878	257.755	257.665	---	---	257.824	257.730	257.478	257.156	---	256.974	257.013	14
15	257.871	257.758	257.664	---	---	257.819	257.732	257.447	257.141	---	256.988	257.014	15
16	257.867	257.763	257.665	---	---	257.825	257.725	257.427	257.114	257.014	257.004	257.012	16
17	257.864	257.762	257.663	---	---	257.833	257.712	257.435	257.097	257.042	256.998	257.009	17
18	257.865	257.756	257.661	---	---	257.830	257.711	257.417	257.115	257.022	256.993	257.011	18
19	257.866	257.751	257.653	---	---	257.819	257.714	257.414	257.114	257.021	256.987	257.009	19
20	257.855	257.752	257.654	---	---	257.816	257.697	257.394	257.096	257.015	256.986	257.022	20
21	257.851	257.750	257.652	---	---	257.813	257.685	257.381	257.078	257.010	256.988	257.030	21
22	257.850	257.742	257.654	---	---	257.810	257.676	257.377	257.077	257.005	256.988	257.029	22
23	257.847	257.739	257.651	---	---	257.801	257.686	257.369	257.082	256.974	256.991	257.031	23
24	257.842	257.734	257.648	---	---	257.806	257.690	257.350	257.096	256.999	256.992	257.027	24
25	257.847	257.730	257.646	---	---	257.811	257.679	257.346	257.083	256.983	256.991	257.020	25
26	257.835	257.727	257.640E	---	---	257.799	257.659	257.333	257.107	256.978	256.995	257.019	26
27	257.832	257.726	257.634E	---	---	257.801	257.645	257.313	---	256.975	256.999	257.023	27
28	257.823	257.718	257.621E	---	---	257.804	257.631	257.285	---	256.968	256.992	257.020	28
29	257.813		257.611E	---	---	257.796	257.642	257.286	---	256.976	256.991	257.019	29
30	257.810		257.610A	---	---	257.781	257.619	257.292	---	256.981	256.999	257.021	30
31	257.812		257.602E	---	---		257.612	257.282		256.966		257.019	31
MEAN	257.873	257.763	257.663	---	---	257.805	257.716	257.440	---	---	256.985	257.014	MEAN
MAX	257.937	257.802	257.717	---	---	257.833	257.793	257.596	---	---	257.004	257.031	MAX
MIN	257.810	257.718	257.602	---	---	257.755	257.612	257.282	---	---	256.956	256.998	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MAXIMUM DAILY, 257.937 ON JAN 1
MINIMUM DAILY, 256.956 ON NOV 6
MAXIMUM INSTANTANEOUS,
257.940 AT 00:01 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 39 15 N
LONG 99 03 06 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

CLEARWATER LAKE AT GUY HILL - STATION NO. 05KK009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.862	259.873	259.893	259.915	259.936	259.956	260.028	260.031	259.996	259.934	259.976	259.967	1
2	259.863	259.875	259.895	259.917	259.937	259.956	260.040	260.029	259.999	259.929	259.975	259.963	2
3	259.863	259.874	259.896	259.918	259.937	259.957	260.041	260.033	259.996	259.932	259.974	259.966	3
4	259.865	259.873	259.897	259.916	259.939	259.957	260.039	260.042	259.979	259.934	259.977	259.963	4
5	259.863	259.876	259.897	259.917	259.938	259.959	260.038	260.043	259.990	259.930	259.976	259.965	5
6	259.861	259.875	259.896	259.918	259.938	259.961	260.037	260.040	259.988	259.925	259.974	259.976	6
7	259.863	259.877	259.897	259.922	259.936	259.972	260.038	260.044	259.988	259.923	259.983	259.978	7
8	259.863	259.877	259.896	259.925	259.938	259.987	260.028	260.041	259.982	259.921	259.975	259.978	8
9	259.864	259.878	259.898	259.926	259.938	259.992	260.025	260.035	259.981	259.925	259.974	259.979	9
10	259.866	259.879	259.896	259.926	259.939	259.991	260.022	260.033	259.983	259.931	259.973	259.983	10
11	259.865	259.880	259.893	259.925	259.941	259.990	260.022	260.035	259.979	259.938	259.974	259.981	11
12	259.864	259.880	259.897	259.926	259.942	259.987	260.024	260.027	259.974	259.965	259.977	259.983	12
13	259.861	259.882	259.902	259.923	259.943	259.988	260.022	260.024	259.973	259.981	259.975	259.983	13
14	259.861	259.887	259.901	259.923	259.945	259.989	260.021	260.020	259.970	259.975	259.977	259.981	14
15	259.860	259.885	259.900	259.924	259.946	259.987	260.025	260.015	259.965	259.975	259.978	259.986	15
16	259.858	259.884	259.900	259.923	259.946	259.987	260.030	260.011	259.957	259.976	259.983	259.988	16
17	259.860	259.886	259.901	259.922	259.946	260.011	260.028	260.011	259.951	259.987	259.977	259.990	17
18	259.861	259.885	259.900	259.920	259.946	260.019	260.027	260.010	259.951	259.987	259.975	259.991	18
19	259.861	259.888	259.900	259.920	259.947	260.014	260.030	260.010	259.948	259.984	259.973	259.995	19
20	259.861	259.894	259.904	259.922	259.947	260.014	260.024	260.010	259.938	259.979	259.970	259.991	20
21	259.864	259.895	259.902	259.926	259.946	260.012	260.019	260.008	259.932	259.971	259.970	260.004	21
22	259.864	259.894	259.900	259.925	259.949	260.009	260.017	260.023	259.931	259.973	259.971	260.013	22
23	259.865	259.894	259.900	259.925	259.950	260.011	260.031	260.031	259.936	259.959	259.973	260.011	23
24	259.865	259.894	259.902	259.926	259.949	260.017	260.048	260.032	259.935	259.971	259.975	260.013	24
25	259.868	259.895	259.901	259.929	259.951	260.018	260.038	260.029	259.940	259.957	259.969	260.013	25
26	259.867	259.895	259.902	259.929	259.950	260.014	260.028	260.027	259.975	259.964	259.975	260.015	26
27	259.868	259.894	259.900	259.930	259.950	260.026	260.025	260.025	259.964	259.954	259.972	260.015	27
28	259.870	259.893	259.899	259.929	259.954	260.026	260.026	260.018	259.952	259.951	259.970	260.016	28
29	259.871		259.903	259.930	259.962	260.024	260.035	260.018	259.944	259.953	259.963	260.016	29
30	259.870		259.904	259.934	259.961	260.023	260.034	260.018	259.942	259.962	259.965	260.018	30
31	259.874		259.912		259.958		260.037	260.019		259.973		260.018	31
MEAN	259.864	259.884	259.899	259.924	259.945	259.995	260.030	260.026	259.965	259.955	259.974	259.992	MEAN
MAX	259.874	259.895	259.912	259.934	259.962	260.026	260.048	260.044	259.999	259.987	259.983	260.018	MAX
MIN	259.858	259.873	259.893	259.915	259.936	259.956	260.017	260.008	259.931	259.921	259.963	259.963	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MEAN, 259.955
MAXIMUM DAILY, 260.048 ON JUL 24
MINIMUM DAILY, 259.858 ON JAN 16
MAXIMUM INSTANTANEOUS,
260.063 AT 11:00 CST ON JUL 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 58 55 N
LONG 101 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

COCHRANE RIVER NEAR BROCHET - STATION NO. 06DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	137B	124B	120B	119B	126B	199	204	180	147	135	117	98.0B	1
2	136B	124B	120B	119B	127B	200	204	180	146	135	118	97.6B	2
3	135B	124B	120B	119B	128B	199	203	177	148	134	120	97.5B	3
4	134B	123B	120B	119B	130B	201	203	176	149	133	120	97.4B	4
5	133B	123B	120B	119B	132B	202	201	176	148	132	120	97.1B	5
6	133B	123B	120B	119B	135B	204	200	175	147	131	119	96.8B	6
7	132B	123B	120B	119B	138B	205	201	175	149	132	119	96.5B	7
8	132B	123B	120B	119B	147B	204	200	173	149	132	120	96.4B	8
9	131B	122B	120B	119B	154B	205	201	173	148	132	119	96.2B	9
10	131B	122B	120B	119B	162B	207	202	172	148	131	117	95.8B	10
11	131B	122B	120B	119B	169B	208	203	171	149	132	114 B	95.6B	11
12	130B	122B	119B	119B	175	208	202	169	148	132	112 B	95.5B	12
13	130B	122B	119B	119B	182	208	202	167	149	131	111 B	95.3B	13
14	129B	122B	119B	119B	189	210	201	167	149	130	109 B	95.1B	14
15	129B	122B	119B	119B	195	210	201	166	147	130	108 B	94.8B	15
16	128B	122B	119B	119B	202	211	200	166	147	131	106 B	94.6B	16
17	128B	122B	119B	119B	204	212	200	163	146	131	105 B	94.4B	17
18	128B	121B	119B	119B	206	212	198	163	146	131	104 B	94.3B	18
19	127B	121B	119B	119B	205	210	199	163	146	131	103 B	94.1B	19
20	127B	121B	119B	120B	205	210	197	160	145	130	102 B	93.8B	20
21	127B	121B	119B	120B	205	210	196	159	142	131	102 B	93.6B	21
22	126B	121B	119B	120B	203	208	194	158	143	130	102 B	93.4B	22
23	126B	121B	119B	120B	203	206	193	156	142	132	101 B	93.3B	23
24	126B	121B	119B	121B	203	206	193	155	143	130	100 B	93.0B	24
25	126B	121B	119B	121B	202	207	191	154	142	126	100 B	93.0B	25
26	125B	120B	119B	122B	201	205	189	153	141	122	99.5B	92.9B	26
27	125B	120B	119B	122B	200	207	187	151	140	117	99.3B	92.8B	27
28	125B	120B	119B	123B	201	207	186	151	138	114	98.8B	92.7B	28
29	125B		119B	124B	199	205	186	150	137	112	98.5B	92.4B	29
30	124B		119B	125B	199	205	183	149	137	112	98.3B	92.2B	30
31	124B		119B		199		182	149		115		92.1B	31
TOTAL	4 000	3 413	3 700	3 599	5 526	6 191	6 102	5 097	4 356	3 977	3 262.4	2 938.2	TOTAL
MEAN	129	122	119	120	178	206	197	164	145	128	109	94.8	MEAN
MAX	137	124	120	125	206	212	204	180	149	135	120	98.0	MAX
MIN	124	120	119	119	126	199	182	149	137	112	98.3	92.1	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 143
MAXIMUM DAILY, 212 ON JUN 17
MINIMUM DAILY, 92.1B ON DEC 31
MAXIMUM INSTANTANEOUS,
212 AT 12:00 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 00 N
LONG 101 23 45 W
DRAINAGE AREA, 25 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	346 000	JUL	527 000
FEB	295 000	AUG	440 000
MAR	320 000	SEP	376 000
APR	311 000	OCT	344 000
MAY	477 000	NOV	282 000
JUN	535 000	DEC	254 000

TOTAL DISCHARGE, 4 510 000 dam³

CONJURING CREEK NEAR RUSSELL - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.844A	0.001	0	0.002	0	0	0	---	---	1
2	---	---	0 B	0.661	0.001	0	0.003	0	0	0	---	---	2
3	---	---	0 B	0.534	0.001	0	0.001	0	0	0	---	---	3
4	---	---	0 B	0.417	0.001	0	0	0	0	0	---	---	4
5	---	---	0 B	0.332	0.001	0	0	0	0	0	---	---	5
6	---	---	0 B	0.267	0.001	0	0	0	0	0	---	---	6
7	---	---	0 B	0.223	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.170	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.142	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.118	0	0	0	0	0	0	---	---	10
11	---	---	0.007B	0.092	0	0	0	0	0	0	---	---	11
12	---	---	0.015B	0.087	0	0	0	0	0	0	---	---	12
13	---	---	0.022B	0.063	0	0	0	0	0	0	---	---	13
14	---	---	0.029B	0.048	0	0	0	0	0	0	---	---	14
15	---	---	0.036B	0.039	0	0	0.007	0	0	0	---	---	15
16	---	---	0.044B	0.035	0	0	0.003	0	0	0	---	---	16
17	---	---	0.051B	0.026	0	0.001	0.001	0.026	0	0	---	---	17
18	---	---	0.058B	0.021	0	0.001	0	0.004	0	0	---	---	18
19	---	---	0.065B	0.015	0	0	0	0.001	0	0	---	---	19
20	---	---	0.301B	0.013	0	0	0	0	0	0	---	---	20
21	---	---	0.224B	0.010	0	0	0	0	0	0	---	---	21
22	---	---	0.134B	0.007	0	0.001	0	0	0	0	---	---	22
23	---	---	0.150B	0.005	0	0.001	0	0	0	0	---	---	23
24	---	---	0.163B	0.004	0	0.001	0	0	0	0	---	---	24
25	---	---	0.162B	0.004	0.001	0	0	0	0	0	---	---	25
26	---	---	0.170B	0.002	0.001	0	0	0	0	0	---	---	26
27	---	---	0.169B	0.001	0.001	0	0	0	0	0	---	---	27
28	---	---	0.173	0.001	0.001	0	0	0	0	0	---	---	28
29	---		0.364	0.001	0.001	0	0	0	0	0	---	---	29
30	---		0.818	0.001	0.001	0	0	0	0	0	---	---	30
31	---		0.860		0.001		0	0		0		---	31
TOTAL	---	---	4.015	4.183	0.014	0.005	0.017	0.031	0	0	---	---	TOTAL
MEAN	---	---	0.130	0.139	0	0	0.001	0.001	0	0	---	---	MEAN
MAX	---	---	0.860	0.844	0.001	0.001	0.007	0.026	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.860 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.862 AT 05:39 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 88.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.47
FEB	---	AUG	2.68
MAR	347	SEP	0
APR	361	OCT	0
MAY	1.21	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 714 dam³

COOKS CREEK AT COOKS CREEK - STATION NO. 05OJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.12 B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.771B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.610B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.564B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.595B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.503B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.202B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.122B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.336B	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.073B	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.006	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.034	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.027	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.023	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.012	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.533B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.851B	0	0	0	0	0	0	0	---	---	21
22	---	---	1.05 B	0	0	0	0	0	0	0	---	---	22
23	---	---	1.14 B	0	0	0	0	0	0	0	---	---	23
24	---	---	1.22 B	0	0	0	0	0	0	0	---	---	24
25	---	---	1.50 B	0	0	0	0	0	0	0	---	---	25
26	---	---	2.18 B	0	0	0	0	0	0	0	---	---	26
27	---	---	2.28 B	0	0	0	0	0	0	0	---	---	27
28	---	---	1.95 B	0	0	0	0	0	0	0	---	---	28
29	---		1.85 B	0	0	0	0	0	0	0	---	---	29
30	---		1.67 B	0	0	0	0	0	0	0	---	---	30
31	---		1.39 B		0		0	0		0		---	31
TOTAL	---	---	17.614	4.998	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.568	0.167	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.28	1.12	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.092
MAXIMUM DAILY, 2.28B ON MAR 27
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.67B AT 00:30 CST ON MAR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 96 46 23 W
DRAINAGE AREA, 513 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 520	SEP	0
APR	432	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 950 dam³

COOKS CREEK NEAR EAST SELKIRK - STATION NO. 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.285	0	0	0	0	0	0.005E	---	---	1
2	---	---	0 B	0.248	0	0	0	0	0	0.017	---	---	2
3	---	---	0 B	0.209	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.131	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.102	0	0	0.057	0	0	0	---	---	5
6	---	---	0 B	0.101	0	0	0.001	0	0	0	---	---	6
7	---	---	0 B	0.101	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.099	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.044	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.007	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0.023	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.027	0	0	0	0	0	0	---	---	12
13	---	---	0.051B	0.002	0	0	0	0	0	0	---	---	13
14	---	---	0.115B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.237B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.351B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.545B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.852B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.792B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.735B	0	0	0	0	0	0	0.084	---	---	20
21	---	---	0.710B	0	0	0	0	0	0	0.166	---	---	21
22	---	---	0.710B	0	0	0	0	0	0	0.074	---	---	22
23	---	---	0.720E	0	0	0	0	0	0	0.029	---	---	23
24	---	---	0.721	0	0	0	0	0	0	0.007	---	---	24
25	---	---	0.905	0	0	0	0	0	0E	0.001	---	---	25
26	---	---	1.05	0	0	0	0	0	0E	0	---	---	26
27	---	---	1.20	0	0	0	0	0	0E	0.004	---	---	27
28	---	---	1.29	0	0.215	0	0	0	0E	0.006	---	---	4
29	---		0.965	0	0.167	0	0	0	0E	0.030	---	---	29
30	---		0.762	0	0.073	0	0	0	0E	0.041	---	---	30
31	---		0.562		0.015		0	0		0.041E		---	31
TOTAL	---	---	13.273	1.379	0.470	0	0.058	0	0	0.505	---	---	TOTAL
MEAN	---	---	0.428	0.046	0.015	0	0.002	0	0	0.016	---	---	MEAN
MAX	---	---	1.29	0.285	0.215	0	0.057	0	0	0.166	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.064
MAXIMUM DAILY, 1.29 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.94 AT 10:03 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 96 49 48 W
DRAINAGE AREA, 697 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.01
FEB	---	AUG	0
MAR	1 150	SEP	0
APR	119	OCT	43.6
MAY	40.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 360 dam³

COOKS CREEK NEAR GLASS - STATION NO. 05OJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.065	0.004	0.018	0.067	0	0	0.004	---	---	1
2	---	---	0 B	0.052	0.004	0.014	0.052	0	0	0.003	---	---	2
3	---	---	0 B	0.043	0.003	0.011	0.038	0	0	0.003	---	---	3
4	---	---	0 B	0.040	0.002	0.010	0.024	0	0	0.004	---	---	4
5	---	---	0 B	0.031	0.002	0.007	0.016	0	0	0.004	---	---	5
6	---	---	0 B	0.032	0.002	0.006	0.011	0.003	0.004	0.004	---	---	6
7	---	---	0 B	0.026	0.001	0.006	0.008	0.001	0.005	0.005	---	---	7
8	---	---	0 B	0.023	0.001	0.005	0.006	0	0.010	0.005	---	---	8
9	---	---	0 B	0.018	0	0.005	0.005	0	0.020	0.005	---	---	9
10	---	---	0 B	0.016	0	0.005	0.005	0	0.018	0.007	---	---	10
11	---	---	0 B	0.015	0	0.004	0.005	0	0.012	0.006	---	---	11
12	---	---	0 B	0.017	0	0.003	0.004	0	0.007	0.007	---	---	12
13	---	---	0 B	0.016	0	0.003	0.003	0	0.005	0.009	---	---	13
14	---	---	0 B	0.015	0	0.004	0.003	0	0.003	0.010	---	---	14
15	---	---	0 B	0.013	0	0.005A	0.003	0	0.002	0.009	---	---	15
16	---	---	0 B	0.012	0	0.005E	0.003	0	0.002	0.011	---	---	16
17	---	---	0 B	0.009	0	0.005E	0.002	0	0.001	0.014	---	---	17
18	---	---	0 B	0.007	0	0.005E	0.001	0	0	0.015	---	---	18
19	---	---	0 B	0.006	0	0.005E	0.001	0	0	0.015	---	---	19
20	---	---	0.022B	0.006	0	0.005E	0	0	0	0.013	---	---	20
21	---	---	0.026B	0.006	0	0.004A	0	0	0	0.013	---	---	21
22	---	---	0.033B	0.005	0.001	0.004	0	0	0	0.012B	---	---	22
23	---	---	0.035B	0.005	0.014	0.005	0	0	0	0.009B	---	---	23
24	---	---	0.037B	0.005	0.146	0.006	0	0	0	0.007B	---	---	24
25	---	---	0.038B	0.004	0.178	0.006	0	0	0	0.006B	---	---	25
26	---	---	0.044B	0.004	0.126	0.005	0	0	0.001	0.005B	---	---	26
27	---	---	0.106B	0.004	0.071	0.009	0	0	0.002	0.006B	---	---	27
28	---	---	0.075B	0.004	0.045	0.013	0	0	0.002	0.008B	---	---	28
29	---		0.045B	0.003	0.032	0.021	0	0	0.001	0.010B	---	---	29
30	---		0.047B	0.003	0.025	0.088	0	0	0.002	0.010	---	---	30
31	---		0.077B		0.020		0	0		0.011		---	31
TOTAL	---	---	0.585	0.505	0.677	0.292	0.257	0.004	0.097	0.250	---	---	TOTAL
MEAN	---	---	0.019	0.017	0.022	0.010	0.008	0	0.003	0.008	---	---	MEAN
MAX	---	---	0.106	0.065	0.178	0.088	0.067	0.003	0.020	0.015	---	---	MAX
MIN	---	---	0	0.003	0	0.003	0	0	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.178 ON MAY 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.200 AT 09:00 CST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 96 44 26 W
DRAINAGE AREA, 183 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22.2
FEB	---	AUG	0.35
MAR	50.5	SEP	8.38
APR	43.6	OCT	21.6
MAY	58.5	NOV	---
JUN	25.2	DEC	---

TOTAL DISCHARGE, 230 dam³

CORMORANT LAKE AT CORMORANT - STATION NO. 05KK002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	256.065	256.004	256.071	256.134	---	255.962	255.920	256.056	256.110	1
2	---	---	---	256.068	256.011	256.072	256.132	---	255.971	255.914	256.052	256.112	2
3	---	---	---	256.067	256.017	256.074	256.138	---	255.957	255.930	256.047	256.110	3
4	---	---	---	256.064	256.019	256.081	256.140	---	255.954	255.923	256.056	256.112	4
5	---	---	---	256.064	256.015	256.084	256.138	---	255.967	255.925	256.060	256.112	5
6	---	---	---	256.066	256.014	256.076	256.121	---	255.974	255.928	256.063	256.117	6
7	---	---	---	256.063	256.026	256.079	256.132	---	255.959	255.916	256.066	256.128	7
8	---	---	---	256.062	256.027	256.104	256.148	---	255.959	255.911	256.063	256.128	8
9	---	---	---	256.065	256.034	256.095	256.130A	---	255.967	255.922	256.059	256.127	9
10	---	---	---	256.064	256.037	256.098	---	---	255.955	255.950	256.057	256.128	10
11	---	---	---	256.058	256.039	256.090	---	---	255.954	255.949	256.056	256.138	11
12	---	---	256.067A	256.060	256.037	256.089	---	---	255.955	255.965	256.063	256.134	12
13	256.139A	256.097A	256.075	256.057	256.042	256.083	---	256.047A	255.951	255.985	256.070	256.138	13
14	256.140	256.096A	256.076	256.052	256.046	256.077	---	256.043	255.949	256.003	256.070	256.136	14
15	256.134	---	256.072	256.056	256.042	256.082	---	256.036	255.939	256.012	256.074	256.128	15
16	256.131	---	256.071	256.054	256.047	256.079	---	256.031	255.938	256.020	256.079	256.122	16
17	256.135	---	256.067	256.053	256.047	256.078	---	256.037	255.936	256.002	256.084	256.120	17
18	256.131	---	256.068	256.053	256.051	256.099	---	256.030	255.935	256.008	256.087	256.121	18
19	256.128	---	256.069	256.009	256.047	256.096	---	256.032	255.924	256.014	256.093	256.121	19
20	256.121A	---	256.067	255.989	256.050	256.098	---	256.028	255.904	256.006	256.091	256.127	20
21	---	---	256.070	255.997	256.053	256.099	---	256.023	255.912	255.998	256.099	256.137	21
22	---	---	256.067	255.998	256.042	256.090	---	256.034	255.912	255.998	256.102	256.139	22
23	---	---	256.068	255.995	256.044	256.101	---	256.030	255.916	256.004	256.112	256.138	23
24	---	---	256.070	255.991	256.062	256.110	---	256.033	255.918	255.989	256.109	256.143	24
25	---	---	256.072	255.999	256.061	256.111	---	256.028	255.916	256.003	256.113	256.138	25
26	---	---	256.068	255.999	256.070	256.120	---	256.024	255.913	256.000	256.114	256.138	26
27	---	---	256.071	256.000	256.065	256.120	---	256.017	255.928	256.002	256.124	256.138	27
28	---	---	256.070	256.002	256.063	256.118	---	256.001	255.926	256.002	256.117	256.130	28
29	---		256.069	255.998	256.064	256.122	---	256.001	255.915	256.012	256.114	256.135	29
30	---		256.067	256.003	256.064	256.129	---	255.983	255.924	256.031	256.111	256.140A	30
31	---		256.067		256.065		---	255.985		256.053		256.140E	31
MEAN	---	---	---	256.036	256.042	256.094	---	---	255.940	255.977	256.082	256.129	MEAN
MAX	---	---	---	256.068	256.070	256.129	---	---	255.974	256.053	256.124	256.143	MAX
MIN	---	---	---	255.989	256.004	256.071	---	---	255.904	255.911	256.047	256.110	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 255.904 ON SEP 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 36 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.697	207.379	207.032	205.715	205.735	205.275	205.809	205.842	205.803	206.379	207.535	---	1
2	207.675	207.379	207.019	205.714	205.744	205.272	205.830	205.815	205.777	206.397	207.550	---	2
3	207.659	207.384	207.008	205.708	205.758	205.268	205.877	205.801	205.768	206.410	207.568	---	3
4	207.646	207.392	206.995	205.705	205.764	205.278	205.880	205.812	205.838	206.477	207.584	---	4
5	207.646	207.395	206.982	205.705	205.768	205.282	205.883	205.830	205.924	206.546	207.579	---	5
6	207.621	207.387	206.971	205.706	205.777	205.309	205.887	205.838	205.998	206.622	207.579	---	6
7	207.612	207.368	206.954	205.717	205.795	205.308	205.904	205.823	206.050	206.680	207.587	---	7
8	207.608	207.353	206.934	205.728	205.821	205.303	205.926	205.820	206.083	206.749	207.590	---	8
9	207.592	207.344	206.905	205.735	205.814	205.280	205.855	205.812	206.087	206.828	207.590	---	9
10	207.589	207.341	206.872	205.741	205.800	205.276	205.867	205.796	206.115	206.855	207.571	---	10
11	207.587	207.339	206.828	205.741	205.803	205.260	205.892	205.776	206.125	206.860	207.517	---	11
12	207.585	207.345	206.783	205.736	205.809	205.260	205.901	205.791	206.142	206.909	207.501	---	12
13	207.575	207.349	206.739	205.720	205.799	205.251	205.904	205.786	206.165	206.957	207.493	---	13
14	207.558	207.359	206.685	205.725	205.749	205.258	205.907	205.777	206.179	206.976	207.495	---	14
15	207.550	207.358	206.625	205.729	205.732	205.251	205.903	205.787	206.194	207.001	207.510	---	15
16	207.556	207.346	206.559	205.730	205.672	205.233	205.894	205.785	206.202	207.016	207.532	---	16
17	207.551	207.329	206.491	205.735	205.617	205.207	205.886	205.780	206.191	207.065	207.539	---	17
18	207.538	207.312	206.417	205.736	205.585	205.339	205.854	205.810	206.196	207.079	207.545	---	18
19	207.531	207.284	206.340	205.734	205.561	205.355	205.838	205.833	206.226	207.100	207.546	---	19
20	207.517	207.246	206.261	205.734	205.545	205.419	205.857	205.840	206.239	207.190	207.538	---	20
21	207.500	207.220	206.190	205.738	205.530	205.498	205.840	205.838	206.254	207.217	207.542	---	21
22	207.494	207.185	206.110	205.743	205.513	205.551	205.823	205.824	206.259	207.287	207.558	---	22
23	207.482	207.155	206.032	205.743	205.510	205.591	205.825	205.836	206.239	207.333	207.557	---	23
24	207.465	207.125	205.947	205.739	205.451	205.641	205.839	205.836	206.231	207.373	207.543	---	24
25	207.449	207.100	205.864	205.730	205.399	205.714	205.846	205.818	206.267	207.416	207.529	---	25
26	207.431	207.080	205.793	205.725	205.370	205.735	205.815	205.805	206.326	207.446	207.518A	---	26
27	207.420	207.061	205.749	205.730	205.323	205.730	205.790	205.797	206.385	207.466	---	---	27
28	207.411	207.047	205.731	205.749	205.318	205.757	205.782	205.794	206.317	207.470	---	---	28
29	207.398		205.719	205.750	205.319	205.790	205.783	205.778	206.327	207.486	---	---	29
30	207.394		205.713	205.743	205.309	205.805	205.826	205.816	206.362	207.501	---	---	30
31	207.393		205.712		205.292		205.853	205.821		207.523		---	31
MEAN	207.540	207.284	206.450	205.729	205.612	205.417	205.857	205.810	206.142	207.020	---	---	MEAN
MAX	207.697	207.395	207.032	205.750	205.821	205.805	205.926	205.842	206.385	207.523	---	---	MAX
MIN	207.393	207.047	205.712	205.705	205.292	205.207	205.782	205.776	205.768	206.379	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

MAXIMUM DAILY, 207.697 ON JAN 1
MINIMUM DAILY, 205.207 ON JUN 17
MAXIMUM INSTANTANEOUS,
207.714 AT 00:01 CST ON JAN 1

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO. 05OB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.038B	0.023	0	0.011	0.009	0	0.005	0.001	---	---	1
2	---	0 B	0.014B	0.023	0	0.009	0.005	0	0.004	0.001	---	---	2
3	---	0 B	0.018B	0.016	0	0.005	0.004	0	0.003	0.001	---	---	3
4	---	0 B	0.011B	0.014	0	0.005	0.003	0	0.002	0.002	---	---	4
5	---	0 B	0.009B	0.012	0	0.004	0.003	0	0.002	0.002	---	---	5
6	---	0 B	0.007B	0.011	0	0.003	0.002	0	0.004	0.002	---	---	6
7	---	0 B	0.005B	0.011	0	0.003	0.001	0	0.004	0.002	---	---	7
8	---	0 B	0.004B	0.007	0	0.002	0	0	0.003	0.001	---	---	8
9	---	0 B	0.004B	0.005	0	0.002	0	0	0.003	0.001	---	---	9
10	---	0 B	0.005B	0.004	0	0.001	0	0	0.002	0.001	---	---	10
11	---	0 B	0.034B	0.004	0	0.001	0.001	0	0.001	0.001	---	---	11
12	---	0 B	1.13 B	0.004	0	0	0.002	0	0.001	0.001	---	---	12
13	---	0 B	1.29 B	0.003	0	0	0.002	0	0.001	0.002	---	---	13
14	---	0 B	1.39 B	0.002	0	0.001	0.001	0	0.001	0.002	---	---	14
15	---	0 B	1.10 B	0.002	0	0.005	0.001	0	0	0.002	---	---	15
16	---	0 B	1.02 B	0.002	0	0.004	0.001	0	0	0.001	---	---	16
17	---	0 B	0.598B	0.002	0	0.003	0.001	0	0	0.001	---	---	17
18	---	0 B	0.233B	0.002	0	0.003	0.001	0	0	0.001	---	---	18
19	---	0 B	0.089B	0.001	0	0.005	0	0	0	0.001	---	---	19
20	---	0 B	0.039B	0.001	0	0.010	0	0	0	0.001	---	---	20
21	---	0 B	0.037	0.001	0	0.013	0	0	0	0.001	---	---	21
22	---	0 B	0.030	0.001	0	0.014	0	0	0	0.001	---	---	22
23	---	0 B	0.024	0.001	1.77	0.015	0	0.018	0	0.001	---	---	23
24	---	0 B	0.024	0.001	0.749	0.018	0	0.008	0	0.001	---	---	24
25	---	0.137B	0.027	0.001	0.442	0.055	0	0.004	0	0.001	---	---	25
26	---	0.188B	0.016	0.001	0.275	0.039	0	0.005	0.001	0.001	---	---	26
27	---	0.078B	0.023	0.001	0.140	0.021	0	0.011	0.001	0.001	---	---	27
28	---	0.091B	0.039	0.001	0.033	0.016	0	0.011	0.001	0.001	---	---	28
29	---		0.036	0.001	0.025	0.013	0	0.009	0.001	0.001	---	---	29
30	---		0.035	0.001	0.016	0.011	0	0.005	0.001	0.001	---	---	30
31	---		0.030		0.012		0	0.005		0.001		---	31
TOTAL	---	0.494	7.359	0.159	3.462	0.292	0.037	0.076	0.041	0.038	---	---	TOTAL
MEAN	---	0.018	0.237	0.005	0.112	0.010	0.001	0.002	0.001	0.001	---	---	MEAN
MAX	---	0.188	1.39	0.023	1.77	0.055	0.009	0.018	0.005	0.002	---	---	MAX
MIN	---	0	0.004	0.001	0	0	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.087
MAXIMUM DAILY, 1.77 ON MAY 23
MINIMUM DAILY, 0 ON MAY 1
MAXIMUM INSTANTANEOUS,
6.77 AT 03:52 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 28 N
LONG 98 56 28 W
DRAINAGE AREA, 153 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.20
FEB	42.7	AUG	6.57
MAR	636	SEP	3.54
APR	13.7	OCT	3.28
MAY	299	NOV	---
JUN	25.2	DEC	---

TOTAL DISCHARGE, 990 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO. 05OB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.777B	0.152A	0.012	0.003	0	0	0.008	0.001	---	---	1
2	---	0 B	0.545B	0.127	0.012	0.003	0	0	0.008	0.001	---	---	2
3	---	0 B	0.443B	0.072	0.011	0.003	0	0	0.006	0.001	---	---	3
4	---	0 B	0.346B	0.064	0.009	0.004	0	0	0.005	0.003	---	---	4
5	---	0 B	0.287B	0.060	0.007	0.004	0	0	0.004	0.003	---	---	5
6	---	0 B	0.282B	0.050	0.007	0.002	0	0	0.010	0.002	---	---	6
7	---	0 B	0.207B	0.047	0.006	0.002	0	0	0.010	0.001	---	---	7
8	---	0 B	0.169B	0.035	0.006	0.001	0	0	0.009	0.001	---	---	8
9	---	0 B	0.117B	0.030	0.006	0.001	0	0	0.008	0.002	---	---	9
10	---	0 B	0.077B	0.028	0.006	0.001	0	0	0.006	0.001	---	---	10
11	---	0 B	0.250B	0.029	0.006	0.001	0	0	0.005	0.001	---	---	11
12	---	0 B	1.89 B	0.028	0.006	0.001	0	0	0.004	0.002	---	---	12
13	---	0 B	2.28 B	0.027	0.006	0.001	0	0	0.002	0.002	---	---	13
14	---	0 B	2.37 B	0.025	0.006	0.001	0	0	0.001	0.002	---	---	14
15	---	0 B	1.60 B	0.026	0.005	0.004	0	0	0.001	0.002	---	---	15
16	---	0 B	1.18 B	0.024	0.005	0.004	0	0	0.001	0.002	---	---	16
17	---	0 B	0.595B	0.022	0.004	0.003	0	0	0.001	0.003	---	---	17
18	---	0 B	0.326B	0.022	0.003	0.002	0	0	0.001	0.002	---	---	18
19	---	0 B	0.241B	0.020	0.001	0.001	0	0	0.001	0.002	---	---	19
20	---	0 B	0.200B	0.019	0.001	0.001	0	0	0.001	0.003	---	---	20
21	---	0 B	0.234B	0.018	0.001	0.004	0	0	0.001	0.001	---	---	21
22	---	0 B	0.267B	0.017	0.004	0.008	0	0	0.001	0.001	---	---	22
23	---	0.100B	0.240B	0.015	0.011	0.007	0	1.02	0.001	0.002	---	---	23
24	---	1.39 B	0.236B	0.014	0.010	0.005	0	0.512	0.001	0.003	---	---	24
25	---	2.55 B	0.254B	0.013	0.013	0.004	0	0.071	0.001	0.002	---	---	25
26	---	2.64 B	0.226	0.012	0.013	0.003	0	0 026	0.005	0.003	---	---	26
27	---	1.92 B	0.260	0.011	0.011	0.001	0	0.018	0.005	0.003	---	---	27
28	---	1.36 B	0.533	0.011	0.011	0.001	0	0.014	0.004	0.003	---	---	28
29	---		0.397	0.012	0.008	0	0	0.012	0.002	0.003	---	---	29
30	---		0.214	0.012	0.005	0	0	0.010	0.001	0.003	---	---	30
31	---		0.189A		0.004		0	0.008		0.004		---	31
TOTAL	---	9.960	17.232	1.042	0.216	0.076	0	1.691	0.114	0.065	---	---	TOTAL
MEAN	---	0.356	0.556	0.035	0.007	0.003	0	0.055	0.004	0.002	---	---	MEAN
MAX	---	2.64	2.37	0.152	0.013	0.008	0	1.02	0.010	0.004	---	---	MAX
MIN	---	0	0.077	0.011	0.001	0	0	0	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.083
MAXIMUM DAILY, 2.37B ON MAR 14
MINIMUM DAILY, 0 ON JUN 29
MAXIMUM INSTANTANEOUS,
3.62B AT 10:25 CST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 98 58 54 W
DRAINAGE AREA, 389 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	861	AUG	146
MAR	1 490	SEP	9.85
APR	90.0	OCT	5.62
MAY	18.7	NOV	---
JUN	6.57	DEC	---

TOTAL DISCHARGE, 1 770 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

CYPRESS CREEK NEAR SARLES - STATION NO. 05OB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.538B	0.022	0.008	0.001	0	0	0	0	0	0B	1
2	0B	0 B	0.566B	0.026	0.019	0.001	0	0	0	0	0	0B	2
3	0B	0 B	0.510B	0.028	0.031	0.001	0	0	0	0	0	0B	3
4	0B	0 B	0.396B	0.034	0.048	0.001	0	0	0	0	0	0B	4
5	0B	0 B	0.176B	0.031	0.071	0.003	0	0	0	0	0	0B	5
6	0B	0 B	0.122B	0.026	0.088	0.002	0	0	0	0	0	0B	6
7	0B	0 B	0.127B	0.022	0.071	0.002	0	0	0	0	0	0B	7
8	0B	0 B	0.110B	0.018	0.057	0.001	0	0	0	0	0	0B	8
9	0B	0 B	0.105B	0.024	0.028	0.001	0	0	0	0	0	0B	9
10	0B	0 B	0.099B	0.026	0.001	0	0	0	0	0	0	0B	10
11	0B	0 B	0.102	0.028	0	0	0	0	0	0	0	0B	11
12	0B	0 B	0.113	0.028	0	0	0	0	0	0	0	0B	12
13	0B	0 B	0.122	0.034	0	0	0	0	0	0	0	0B	13
14	0B	0 B	0.113	0.034	0	0	0	0	0	0	0	0B	14
15	0B	0 B	0.105	0.042	0	0	0	0	0	0	0	0B	15
16	0B	0 B	0.110	0.054	0	0	0	0	0	0	0	0B	16
17	0B	0 B	0.096	0.040	0	0	0	0	0	0	0	0B	17
18	0B	0 B	0.088	0.012	0	0	0	0	0	0	0	0B	18
19	0B	0 B	0.074	0.006	0	0	0	0	0	0	0	0B	19
20	0B	0 B	0.062	0	0	0	0	0	0	0	0	0B	20
21	0B	0.023B	0.059	0	0	0	0	0	0	0	0	0B	21
22	0B	0.198B	0.051	0	0	0	0	0	0	0	0	0B	22
23	0B	0.453B	0.045	0	0	0	0	0	0	0	0	0B	23
24	0B	0.595B	0.040	0	0.003	0	0	0	0	0	0	0B	24
25	0B	0.623B	0.034	0.003	0.004	0	0	0	0	0	0	0B	25
26	0B	0.623B	0.026	0.003	0.004	0	0	0	0	0	0	0B	26
27	0B	0.680B	0.022	0	0.001	0	0	0	0	0	0	0B	27
28	0B	0.538B	0.022	0	0	0	0	0	0	0	0	0B	28
29	0B		0.048	0	0	0	0	0	0	0	0	0B	29
30	0B		0.037	0.001	0.001	0	0	0	0	0	0	0B	30
31	0B		0.017		0.001		0	0		0		0B	31
TOTAL	0	3.733	4.135	0.542	0.436	0.013	0	0	0	0	0	0	TOTAL
MEAN	0	0.133	0.133	0.018	0.014	0	0	0	0	0	0	0	MEAN
MAX	0	0.680	0.566	0.054	0.088	0.003	0	0	0	0	0	0	MAX
MIN	0	0	0.017	0	0	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 0.680B ON FEB 27
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.878B AT 04:30 CST ON FEB 24

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 35 N
LONG 98 57 05 W
DRAINAGE AREA, 184 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	323	AUG	0
MAR	357	SEP	0
APR	46.8	OCT	0
MAY	37.7	NOV	0
JUN	1.12	DEC	0

TOTAL DISCHARGE, 766 dam³

CYPRESS RIVER NEAR BRUXELLES - STATION NO. 05MH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.169B	0.117B	0.066	0.025	0.539	0.095	0.005	0.053	---	---	1
2	---	---	0.160B	0.108B	0.077	0.019	0.419	0.146	0.004	0.041	---	---	2
3	---	---	0.152B	0.101B	0.069	0.014	0.362	0.108	0.001	0.054	---	---	3
4	---	---	0.150B	0.128B	0.084	0.009	0.295	0.062	0.001	0.104	---	---	4
5	---	---	0.148B	0.104B	0.069	0.011	0.249	0.062	0.008	0.098	---	---	5
6	---	---	0.137B	0.072B	0.059	0.012	0.194	0.070	0.599	0.092	---	---	6
7	---	---	0.112B	0.058B	0.043	0.014	0.115	0.060	0.938	0.094	---	---	7
8	---	---	0.083B	0.059	0.035	0.013	0.049	0.260	0.816	0.083	---	---	8
9	---	---	0.067B	0.071	0.025	0.006	0.017	0.160	0.479	0.082	---	---	9
10	---	---	0.070B	0.029	0.023	0.004	0.015	0.060	0.340	0.066	---	---	10
11	---	---	0.078B	0.015	0.029	0.004	0.081	0.038	0.231	0.058	---	---	11
12	---	---	0.072B	0.016	0.033	0.002	0.364	0.058	0.163	0.070	---	---	12
13	---	---	0.053B	0.010	0.026	0.003	0.361	0.077	0.181	0.092	---	---	13
14	---	---	0.106B	0.007	0.022	0.005	0.208	0.036	0.221	0.075	---	---	14
15	---	---	0.139B	0.016	0.018	0.006	0.144	0.031	0.218	0.089	---	---	15
16	---	---	0.135B	0.016	0.041	0.006	0.087	0 032	0.211	0.118	---	---	16
17	---	---	0.106B	0.012	0.020	0.007	0.050	0.019	0.177	0.129	---	---	17
18	---	---	0.124B	0.011	0.008	0.007	0.038	0.013	0.139	0.112	---	---	18
19	---	---	0.080B	0.017	0.005	0.004	0.023	0.018	0.107	0.099	---	---	19
20	---	---	0.072B	0.017	0.005	0.007	0.017	0.007	0.082	0.080	---	---	20
21	---	---	0.074B	0.017	0.006	0.013	0.013	0.005	0.071	0.073	---	---	21
22	---	---	0.066B	0.015	0.009	0.043	0.168	0.005	0.064	0.066	---	---	22
23	---	---	0.078B	0.053	0.016	0.094	0.110	0.121	0.057	0.061	---	---	23
24	---	---	0.084B	0.071	0.035	0.184	0.045	0.093	0.043	0.065	---	---	24
25	---	---	0.111B	0.057	0.049	0.321	0.016	0.031	0.050	0.062	---	---	25
26	---	---	0.075B	0.039	0.051	0.415	0.008	0.023	0.126	0.065	---	---	26
27	---	---	0.118B	0.043	0.072	0.311	0.005	0.013	0.094	0.106	---	---	27
28	---	---	0.144B	0.046	0.069	0.354	0.003	0.009	0.072	0.082	---	---	28
29	---		0.135B	0.054	0.049	0.487	0.002	0.004	0.065	0.060	---	---	29
30	---		0.152B	0.058	0.040	0.647	0.013	0.003	0.056	0.062	---	---	30
31	---		0.164B		0.029		0.087	0.003		0.065		---	31
TOTAL	---	---	3.414	1.437	1.182	3.047	4.096	1.722	5.619	2.456	---	---	TOTAL
MEAN	---	---	0.110	0.048	0.038	0.102	0.132	0.056	0.187	0.079	---	---	MEAN
MAX	---	---	0.169	0.128	0.084	0.647	0.539	0.260	0.938	0.129	---	---	MAX
MIN	---	---	0.053	0.007	0.005	0.002	0.002	0.003	0.001	0.041	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.094
MAXIMUM DAILY, 0.938 ON SEP 7
MINIMUM DAILY, 0.001 ON SEP 3
MAXIMUM INSTANTANEOUS,
1.05 AT 23:12 CST ON SEP 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 46 N
LONG 98 54 25 W
DRAINAGE AREA, 254 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	354
FEB	---	AUG	149
MAR	295	SEP	485
APR	124	OCT	212
MAY	102	NOV	---
JUN	263	DEC	---

TOTAL DISCHARGE, 1 980 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO. 05MH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.459B	0.335	0.098	0.052	0.527E	0.044	0.102	0.090	---	---	1
2	---	---	0.450B	0.276	0.095	0.044	0.674E	0.028	0.086	0.088	---	---	2
3	---	---	0.438B	0.247	0.093	0.038	0.588E	0.054	0.065	0.090	---	---	3
4	---	---	0.427B	0.224	0.093	0.041	0.470E	0.060	0.056	0.103	---	---	4
5	---	---	0.425B	0.220	0.089	0.051	0.410E	0.058	0.049	0.109	---	---	5
6	---	---	0.408B	0.244	0.088	0.045	0.354E	0.072	0.086	0.102	---	---	6
7	---	---	0.378B	0.212	0.086	0.034	0.320E	0.065	0.315	0.100	---	---	7
8	---	---	0.326B	0.180	0.081	0.031	0.276E	0.053	0.670	0.100	---	---	8
9	---	---	0.290B	0.169	0.072	0.028	0.230E	0.052	0.769	0.096	---	---	9
10	---	---	0.247B	0.152	0.072	0.025	0.180E	0.063	0.554	0.094	---	---	10
11	---	---	0.258B	0.133	0.069	0.024	0.128E	0.094	0.415	0.094	---	---	11
12	---	---	0.264B	0.133	0.068	0.023	0.086E	0.077	0.323	0.096	---	---	12
13	---	---	0.270B	0.112	0.060	0.028	0.096A	0.061	0.244	0.103	---	---	13
14	---	---	0.237B	0.090	0.059	0.041	0.229	0.040	0.195	0.105	---	---	14
15	---	---	0.255B	0.097	0.060	0.051	0.252	0.023	0.168	0.101	---	---	15
16	---	---	0.240B	0.085	0.055	0.049	0.181	0.011	0.170	0.100	---	---	16
17	---	---	0.232B	0.074	0.052	0.045	0.134	0.026	0.178	0.106	---	---	17
18	---	---	0.220B	0.079	0.050	0.045	0.108	0.021	0.164	0.107	---	---	18
19	---	---	0.229B	0.076	0.052	0.040	0.086	0.012	0.146	0.112	---	---	19
20	---	---	0.218B	0.070	0.051	0.036	0.073	0.008	0.134	0.110	---	---	20
21	---	---	0.201B	0.074	0.041	0.048	0.061	0.005	0.121	0.102	---	---	21
22	---	---	0.189B	0.073	0.038	0.068	0.053	0.001	0.114	0.098	---	---	22
23	---	---	0.172B	0.075	0.045	0.078	0.047	0.043	0.103	0.093	---	---	23
24	---	---	0.312B	0.077	0.063	0.091	0.036	1.13	0.095	0.085	---	---	24
25	---	--	0.329B	0.077	0.072	0.089	0.054	0.487	0.091	0.100	---	---	25
26	---	---	0.281B	0.093	0.070	0.117	0.050	0.328	0.091	0.099	---	---	26
27	---	---	0.297B	0.099	0.066	0.176	0.047	0.217	0.098	0.099	---	---	27
28	---	---	0.314B	0.093	0.068	0.239A	0.052	0.169	0.088	0.105	---	---	28
29	---		0.391	0.098	0.061	0.429E	0.022	0.128	0.085	0.100	---	---	29
30	---		0.381	0.101	0.060	0.341E	0.035	0.100	0.089	0.104	---	---	30
31	---		0.335		0.058		0.061	0.108		0.104		---	31
TOTAL	---	---	9.473	4.068	2.085	2.447	5.920	3.638	5.864	3.095	---	---	TOTAL
MEAN	---	---	0.306	0.136	0.067	0.082	0.191	0.117	0.195	0.100	---	---	MEAN
MAX	---	---	0.459	0.335	0.098	0.429	0.674	1.13	0.769	0.112	---	---	MAX
MIN	---	---	0.172	0.070	0.038	0.023	0.022	0.001	0.049	0.085	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.149
MAXIMUM DAILY, 1.13 ON AUG 24
MINIMUM DAILY, 0.001 ON AUG 22
MAXIMUM INSTANTANEOUS,
2.21 AT 00:45 CST ON AUG 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 31 N
LONG 99 02 00 W
DRAINAGE AREA, 572 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	511
FEB	---	AUG	314
MAR	818	SEP	507
APR	351	OCT	267
MAY	180	NOV	---
JUN	211	DEC	---

TOTAL DISCHARGE, 3 160 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO. 05LJ816

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.230	---	260.187E	260.226	260.285	260.285	260.400	260.354	260.204	260.284	260.318	260.293	1
2	260.230E	---	260.188	260.229E	260.280E	260.285	260.390	260.344	260.304	260.144	260.228	---	2
3	260.230	---	260.188E	260.233	260.275	260.307	260.400	260.354	260.354	260.190E	260.248	260.293	3
4	260.227E	260.174E	260.188E	260.237E	260.285	260.297	260.400	260.364E	260.234	260.237E	260.268	---	4
5	260.225	260.181	260.188	260.241	260.284	260.277	260.390	260.374	260.254E	260.284	260.240E	---	5
6	260.230	260.181E	260.185E	260.245E	260.269	260.297E	260.340	260.364	260.274E	260.284	260.213	260.288	6
7	260.231E	260.181	260.181E	260.249	260.269	260.317E	260.400	260.384	260.294	260.274	260.358	---	7
8	260.233	260.187E	260.178E	260.247E	260.270	260.337	260.340	260.414	260.274	260.274	260.278	---	8
9	260.219E	260.193	260.174E	260.246E	260.270E	260.337	260.335	260.359	260.274	260.304	260.238	260.288	9
10	260.205	260.190E	260.171	260.245	260.270E	260.347	260.340	260.369	260.314	260.284	260.248	---	10
11	260.215E	260.188	260.175E	260.255E	260.270	260.417	260.333E	260.464	260.274	260.294E	260.198	---	11
12	260.225	260.186E	260.178E	260.265	260.259	260.402	260.327	260.414E	260.264	260.304	260.218	260.293	12
13	260.220E	260.184E	260.182	260.265	260.269	260.409E	260.417	260.364	260.259E	260.274	260.188	---	13
14	260.215	260.182	260.186E	---	260.254	260.417	260.387	260.354	260.254	260.274E	260.228	---	14
15	260.217E	260.180E	260.191	---	260.274	260.517	260.332	260.364	260.334	260.274E	260.228	260.299	15
16	260.220	260.178	260.188E	---	260.279	260.417	260.437	260.344	260.264	260.274	260.243	---	16
17	260.217E	---	260.186E	---	260.259	260.347	260.427	260.349	260.224	260.514	260.268	---	17
18	260.215	---	260.183	---	260.234	260.517	260.412E	260.344	260.244	260.399E	260.310E	---	18
19	260.214E	---	260.190	---	260.234	260.367	260.397	260.354	260.234	260.284	260.353	---	19
20	260.213E	260.186	260.189E	---	260.234	260.382E	260.417	260.359	260.244	260.484	260.323E	---	20
21	260.213	260.188E	260.188	---	260.224	260.397	260.372E	260.334	260.194	260.283	260.293	---	21
22	260.207E	260.191	260.190E	260.295	260.284	260.347	260.327	260.334E	260.134	260.388	260.298	---	22
23	260.201E	260.188E	260.193	260.270	260.294	260.360	260.357	260.334	260.234	260.342E	260.298	---	23
24	260.196	260.186E	260.194E	260.267	260.284	260.460	260.417	260.334	260.214	260.296	260.296E	---	24
25	260.201E	260.183	260.195E	260.273E	260.274	260.500	260.412	260.339	260.274E	260.288	260.294E	---	25
26	260.206	260.184E	260.196	260.280	260.276	260.410	260.384E	260.384	260.334	260.248	260.293	---	26
27	260.204E	260.185E	260.200E	260.284	260.282	260.405E	260.357	260.334	260.324	260.229E	260.293E	---	27
28	260.202E	260.186	260.204E	260.277	260.284	260.400	260.357	260.294	260.314	260.210	260.293	---	28
29	260.201		260.208	260.275	260.484	260.375E	260.288	260.324	260.244	260.218	260.293E	---	29
30	260.201E		260.210E	260.282	260.234	260.350	260.384	260.314	260.314	260.220E	260.293E	---	30
31	260.201		260.213		260.259E		260.364	260.404		260.223		---	31
MEAN	260.215	---	260.189	---	260.274	260.376	260.375	260.359	260.265	260.286	260.271	---	MEAN
MAX	260.233	---	260.213	---	260.484	260.517	260.437	260.464	260.354	260.514	260.358	---	MAX
MIN	260.196	---	260.171	---	260.224	260.277	260.288	260.294	260.134	260.144	260.188	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.517 ON JUN 15
MINIMUM DAILY, 260.134 ON SEP 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 45 N
LONG 99 44 20 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN LAKE AT OUTLET - STATION NO. 05LJ009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.194	260.151	260.143	260.192	260.305	260.288	260.467	260.349	260.444	260.324	260.275	260.271	1
2	260.188	260.150	260.151	260.196	260.229	260.303	260.378	260.345	260.372	260.535	260.287	260.266	2
3	260.186	260.148	260.149	260.199	260.233	260.322	260.388	260.346	260.241	260.272	260.278	260.266	3
4	260.179	260.153	260.149	260.205	260.244	260.324	260.397	260.351	260.422	260.248	260.266	260.269	4
5	260.180	260.147	260.151	260.213	260.264	260.226	260.372	260.339	260.356	260.247	260.245	260.266	5
6	260.172	260.147	260.153	260.232	260.260	260.317	260.457	260.293	260.233	260.284	260.272	260.264	6
7	260.173	260.145	260.154	260.223	260.256	260.226	260.399	260.327	260.267	260.359	260.198	260.264	7
8	260.175	260.152A	260.152	260.221	260.127	260.267	260.301	260.286	260.297	260.343	260.155	260.263A	8
9	260.168	260.147E	260.152	260.217	260.275	260.266	260.352	260.350	260.273	260.295	260.290	260.250E	9
10	260.171	260.142A	260.153	260.217	260.286	260.243	260.349	260.349	260.268	260.285	260.246	260.260E	10
11	260.171	260.149	260.153	260.228	260.249	260.275	260.350	260.331	260.255	260.288	260.288	260.280E	11
12	260.167	260.149	260.149	260.237	260.237	260.296	260.340	260.328	260.261	260.373	260.283	260.242E	12
13	260.164	260.147	260.154	260.220	260.232	260.270	260.351	260.339	260.230	260.253	260.275	260.242E	13
14	260.161	260.148	260.151	260.241	260.199	260.232	260.348	260.306	260.218	260.259	260.266	260.241E	14
15	260.160	260.149	260.150	260.235	260.169	260.192	260.404	260.348	260.213	260.288	260.280	260.240E	15
16	260.165	260.150	260.149	260.224	260.220	260.327	260.364	260.363	260.283	260.282	260.269	260.240E	16
17	260.165	260.145	260.149	260.177	260.220	260.196	260.349	260.327	260.262	260.045	260.190	260.239E	17
18	260.163	260.145	260.153	260.235	260.236	260.126	260.380	260.342	260.237	260.189	260.235	260.239E	18
19	260.157	260.148	260.155	260.251	260.231	260.367	260.351	260.332	260.255	260.253	260.227	260.238E	19
20	260.158	260.149	260.155	260.295	260.234	260.353	260.341	260.327	260.330	260.205	260.211	260.238E	20
21	260.158	260.155	260.158	260.214	260.228	260.363	260.382	260.357	260.288	260.255	260.271	260.237E	21
22	260.155	260.155	260.160	260.176	260.095	260.383	260.426	260.328	260.358	260.123	260.269	260.236E	22
23	260.155	260.154	260.161	260.247	260.135	260.451	260.388	260.312	260.234	260.344	260.270	260.236E	23
24	260.152	260.149	260.161	260.277	260.195	260.346	260.215	260.323	260.244	260.105	260.270	260.235E	24
25	260.149	260.152	260.158	260.306	260.234	260.323	260.298	260.315	260.291	260.268A	260.269	260.235E	25
26	260.146	260.151	260.166	260.248	260.276	260.416	260.344	260.299	259.804	260.256	260.266	260.234E	26
27	260.152	260.147	260.170	260.257	260.277	260.400	260.365	260.326	260.070	260.296	260.266	260.233E	27
28	260.154	260.152	260.178	260.264	260.257	260.378	260.382	260.358	260.327	260.289	260.267	260.232E	28
29	260.156		260.179	260.246	260.166	260.399	260.333	260.316	260.311	260.274	260.269	260.232E	29
30	260.156		260.184	260.205	260.279	260.476	260.318	260.359	260.283	260.275	260.272	260.231E	30
31	260.148		260.185		260.304		260.287	260.097		260.277		260.231E	31
MEAN	260.164	260.149	260.158	260.230	260.231	260.312	260.361	260.325	260.264	260.271	260.258	260.247	MEAN
MAX	260.194	260.155	260.185	260.306	260.305	260.476	260.467	260.363	260.444	260.535	260.290	260.280	MAX
MIN	260.146	260.142	260.143	260.176	260.095	260.126	260.215	260.097	259.804	260.045	260.155	260.231	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 260.248
MAXIMUM DAILY, 260.535 ON OCT 2
MINIMUM DAILY, 259.804 ON SEP 26
MAXIMUM INSTANTANEOUS,
260.668 AT 10:44 CST ON OCT 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 22 N
LONG 99 57 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR ANAMA BAY - STATION NO. 05LM006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.2B	37.9B	41.7B	48.9B	50.1E	31.9E	15.1E	14.5	15.5 E	19.1	24.4	23.5B	1
2	33.5B	37.8B	41.8B	49.4B	49.2E	29.9E	19.6E	16.0	11.3 E	24.0	24.6	22.5B	2
3	34.0B	37.4B	42.3B	50.0B	50.8E	28.5E	20.1E	15.8	18.2 E	19.4	25.4	22.8B	3
4	34.4B	36.9B	43.2B	50.5B	48.0E	25.4E	17.5E	15.5	12.6 E	18.5	24.7	22.0B	4
5	34.8B	36.8B	43.2B	51.1B	45.0E	28.2E	21.0E	15.5	11.5 E	17.2	21.5	21.5B	5
6	35.1B	36.8B	43.2B	51.9E	44.2E	28.0E	15.0E	14.7	18.2 E	18.3	24.5	22.2B	6
7	35.2B	36.8B	43.2B	52.6E	42.1E	28.6E	17.8E	13.8	16.8 E	20.6	24.9	20.6B	7
8	35.1B	37.4B	43.3B	53.4E	56.1E	28.9E	12.4E	13.8	15.9 E	22.5	17.6	19.5B	8
9	34.9B	37.8B	43.3B	54.1E	41.9E	29.1E	11.7E	12.4	16.5 E	20.5	15.5	19.2B	9
10	34.9B	37.7B	43.3B	54.9E	38.4E	27.8E	13.7E	14.0	14.7 E	18.5	21.1	18.6B	10
11	35.0B	37.6B	43.4B	55.4E	39.7E	27.2E	13.5E	14.5	16.2 E	19.4	24.3	12.0B	11
12	35.1B	37.0B	43.5B	55.9E	38.0E	24.4E	13.1E	14.4	16.8 E	22.5	24.3	14.1B	12
13	35.5B	36.6B	43.6B	56.3E	37.6E	28.2E	14.6E	14.8	18.5 E	20.7	24.5	18.3B	13
14	35.9B	36.1B	43.7B	56.8E	40.5E	30.2E	13.0E	13.9	18.7 E	20.1	24.9	20.2B	14
15	36.2B	36.5B	43.8B	57.3E	46.6E	36.7E	13.3E	14.0	21.5 E	20.8	25.0	20.6B	15
16	36.4B	36.7B	44.0B	57.3E	41.3E	25.9E	17.1E	14.9	15.9 E	22.1	24.6	20.5B	16
17	37.1B	37.4B	44.2B	57.3E	37.8E	27.3E	19.0E	15.1	12.4 E	18.0	21.8B	20.3B	17
18	37.6B	37.8B	44.3B	57.3E	36.6E	38.5A	17.6E	14.9	15.3 E	15.3	20.1B	20.3B	18
19	37.9B	38.5B	44.5B	57.2E	34.4E	27.3E	19.3E	15.2	16.1 E	19.5	14.1B	20.4B	19
20	38.0B	38.9B	44.7B	57.1E	31.9E	30.0E	22.4E	15.1	13.8 E	18.2	17.2B	19.5B	20
21	38.1B	39.3B	45.0B	56.7E	31.2E	30.3E	17.8A	15.2	13.4 E	15.1	23.3B	17.5B	21
22	38.4B	39.7B	45.2B	56.2E	47.6E	28.2E	13.1	15.3	9.87E	16.7	20.2B	21.2B	22
23	38.9B	39.8B	45.5B	55.8E	47.1E	25.6E	14.2	15.1	14.9	19.4	20.3B	20.3B	23
24	39.2B	39.9B	45.7B	55.3E	40.2E	27.3E	13.4	14.3	15.9	19.2	20.7B	19.6B	24
25	39.6B	40.4B	46.0B	54.9E	38.3E	28.7E	11.6	14.0	17.8	16.8	22.7B	19.1B	25
26	39.6B	40.8B	46.4B	53.9E	34.5E	26.7E	12.5	13.5	12.7	18.1	22.6B	18.2B	26
27	39.2B	41.1B	46.8B	52.9E	32.4E	26.1E	13.7	13.4	12.1	19.1	22.0B	17.1B	27
28	39.2B	41.5B	47.1B	56.4A	32.3E	28.0E	14.6	14.2	16.5	19.8	22.3B	18.2B	28
29	38.5B		47.5B	51.8E	36.9E	25.6E	16.0	15.7	16.9	20.9	20.5B	17.1B	29
30	38.4B		47.9B	51.6E	31.4E	16.3E	15.1	11.9E	17.1	21.6	21.4B	16.8B	30
31	38.4B		48.3B		32.3E		14.6	28.5E		21.6		16.4B	31
TOTAL	1 137.3	1 068.9	1 379.6	1 630.2	1 254.4	844.8	483.4	463.9	463.57	603.5	661.0	600.1	TOTAL
MEAN	36.7	38.2	44.5	54.3	40.5	28.2	15.6	15.0	15.5	19.5	22.0	19.4	MEAN
MAX	39.6	41.5	48.3	57.3	56.1	38.5	22.4	28.5	21.5	24.0	25.4	23.5	MAX
MIN	33.2	36.1	41.7	48.9	31.2	16.3	11.6	11.9	9.87	15.1	14.1	12.0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.0
MAXIMUM DAILY, 57.3E ON APR 15
MINIMUM DAILY, 9.87E ON SEP 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 81 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	98 300	JUL	41 800
FEB	92 400	AUG	40 100
MAR	119 000	SEP	40 100
APR	141 000	OCT	52 100
MAY	108 000	NOV	57 100
JUN	73 000	DEC	51 800

TOTAL DISCHARGE, 915 000 dam³

DEAD LAKE DRAIN NEAR GLADSTONE - STATION NO. 05LL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0B	0	0	0	0	0	0	0	---	---	2
3	---	---	0B	0	0	0	0	0	0	0	---	---	3
4	---	---	0B	0	0	0	0	0	0	0	---	---	4
5	---	---	0B	0	0	0	0	0	0	0	---	---	5
6	---	---	0B	0	0	0	0	0	0	0	---	---	6
7	---	---	0B	0	0	0	0	0	0	0	---	---	7
8	---	---	0B	0	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0B	0	0	0	0	0	0	0	---	---	20
21	---	---	0B	0	0	0	0	0	0	0	---	---	21
22	---	---	0B	0	0	0	0	0	0	0	---	---	22
23	---	---	0B	0	0	0	0	0	0	0	---	---	23
24	---	---	0B	0	0	0	0	0	0	0	---	---	24
25	---	---	0B	0	0	0	0	0	0	0	---	---	25
26	---	---	0B	0	0	0	0	0	0	0	---	---	26
27	---	---	0B	0	0	0	0	0	0	0	---	---	27
28	---	---	0B	0	0	0	0	0	0	0	---	---	28
29	---		0B	0	0	0	0	0	0	0	---	---	29
30	---		0B	0	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 59 N
LONG 98 56 58 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

DEADHORSE CREEK AT MORDEN - STATION NO. 05OC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0 B	0.007A	0.007	0.163	0	0	0.019	0	---	---	1
2	---	0 B	0 B	0.007	0.007	0.126	0	0	0.001	0.033	---	---	2
3	---	0 B	0 B	0.004	0.003	0.078	0	0	0	0.049	---	---	3
4	---	0 B	0 B	0.004	0.003	0.069	0	0	0	0.029	---	---	4
5	---	0 B	0 B	0.003	0.002	0.082	0	0.11B	0	0.020	---	---	5
6	---	0 B	0 B	0.007	0.002	0.043	0	0.120	0	0.012	---	---	6
7	---	0 B	0 B	0.006	0.001	0.026	0	0.055	0	0.006	---	---	7
8	---	0 B	0 B	0.004	0.001	0.007	0	0.024	0	0.005	---	---	8
9	---	0 B	0 B	0.004	0.001	0.005	0	0.004	0	0.003	---	---	9
10	---	0 B	0 B	0.004	0.001	0.004	0	0.004	0	0.001	---	---	10
11	---	0 B	0 B	0.001	0.001	0.002	0	0.001	0	0.001	---	---	11
12	---	0 B	0.007B	0.001	0.001	0.002	0	0.001	0	0.062	---	---	12
13	---	0 B	0.013B	0.001	0.001	0.005	0	0.001	0	0.062	---	---	13
14	---	0 B	0.010B	0.001	0.001	0.001	0	0.001	0	0.026	---	---	14
15	---	0 B	0.009B	0.001	0.005	0	0	0.001	0	0.009	---	---	15
16	---	0 B	0.007B	0.001	0.018	0	0	0.001	0	0.002	---	---	16
17	---	0 B	0.003B	0.002	0.005	0	0	0.095	0	0.019	---	---	17
18	---	0 B	0.001B	0.003	0.005	0	0	0.614	0	0.015	---	---	18
19	---	0 B	0.001B	0.003	0.003	0	0	0.612	0	0.002	---	---	19
20	---	0.001B	0.002E	0.002	0.001	0	0	0.607	0	0.001	---	---	20
21	---	0.004B	0.002E	0.003	0.001	0	0	0.502	0	0.006	---	---	21
22	---	0.012B	0.003E	0.006	0.001	0	0	0.120	0	0.002	---	---	22
23	---	0.009B	0.002E	0.003	0.044	0	0	0.169	0	0.004	---	---	23
24	---	0.005B	0.003E	0.002	0.088	0	0	0.118	0	0.009	---	---	24
25	---	0.001B	0.003E	0.002	0.798	0	0	0.091	0	0.009	---	---	25
26	---	0.001B	0.004E	0.002	0.737	0	0	0.057	0	0.014	---	---	26
27	---	0 B	0.005E	0.003	0.547	0	0	0.034	0	0.013	---	---	27
28	---	0 B	0.005E	0.005	0.410	0	0	0.013	0	0.016	---	---	28
29	---		0.006E	0.018	0.324	0	0	0.004	0	0.019	---	---	29
30	---		0.006E	0.009	0.256	0	0	0.002	0	0.036	---	---	30
31	---		0.007E		0.203		0	0.018		0.029		---	31
TOTAL	---	0.033	0.099	0.119	3.478	0.613	0	3.387	0.020	0.514	---	---	TOTAL
MEAN	---	0.001	0.003	0.004	0.112	0.020	0	0.109	0.001	0.017	---	---	MEAN
MAX	---	0.012	0.013	0.018	0.798	0.163	0	0.614	0.019	0.062	---	---	MAX
MIN	---	0	0	0.001	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.798 ON MAY 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.890 AT 16:48 CST ON MAY 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 06 38 W
DRAINAGE AREA, 136 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	2.85	AUG	293
MAR	8.55	SEP	1.73
APR	10.3	OCT	44.4
MAY	300	NOV	---
JUN	53.0	DEC	---

TOTAL DISCHARGE, 711 dam³

DEER RIVER NORTH OF BELCHER - STATION NO. 06FD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.56 B	0.977B	0.736B	0.586B	0.442B	56.9	12.1	32.1	5.37	8.23	21.9 B	3.90B	1
2	1.53 B	0.963B	0.739B	0.578B	0.433B	49.7	12.0	27.7	5.73	7.99	19.5 B	3.69B	2
3	1.50 B	0.949B	0.739B	0.578B	0.433B	44.6	11.5	23.5	6.39	7.98	18.3 B	3.57B	3
4	1.47 B	0.934B	0.731B	0.569B	0.425B	39.1A	12.5	20.2	6.21	8.16	16.9 B	3.41B	4
5	1.44 B	0.920B	0.722B	0.569B	0.425B	34.9	12.2	18.6	6.58	8.35	15.9 B	3.23B	5
6	1.42 B	0.920B	0.722B	0.561B	0.425B	33.0	11.6	17.0	6.97	9.81	14.9 B	3.06B	6
7	1.39 B	0.906B	0.714B	0.552B	0.416B	31.8	11.6	16.4	7.03	11.8	14.1 B	2.93B	7
8	1.34 B	0.906B	0.714B	0.552B	0.408B	31.9	12.9	15.1	8.02	13.8	13.2 B	2.85B	8
9	1.34 B	0.892B	0.705B	0.552B	0.408B	31.5	15.4	14.2	8.73	15.1	12.4 B	2.73B	9
10	1.31 B	0.878B	0.705B	0.552B	0.399B	31.6	17.2	13.3	9.95	15.6	11.6 B	2.63B	10
11	1.29 B	0.864B	0.705B	0.544B	0.391B	33.3	17.7	12.4	11.5	15.7	10.8 B	2.57B	11
12	1.29 B	0.850B	0.697B	0.544B	0.399B	36.0	17.0	11.4	13.3	16.7	10.1 B	2.47B	12
13	1.26 B	0.850B	0.688B	0.535B	0.408B	37.6	16.1	10.8	15.4	20.6	9.50B	2.43B	13
14	1.26 B	0.841B	0.680B	0.527B	0.416B	37.9	15.3	11.0	16.1	33.4	8.92B	2.34B	14
15	1.24 B	0.841B	0.680B	0.527B	0.433B	35.7	14.1	11.5	16.4	52.1	8.44B	2.27b	15
16	1.21 B	0.833B	0.671B	0.518B	0.408B	33.7	13.1	11.6	16.3	62.7	8.01B	2.20B	16
17	1.19 B	0.824B	0.663B	0.510B	2.68 B	31.9	12.1	11.2	16.0	66.4	7.47B	2.15B	17
18	1.16 B	0.816B	0.663B	0.510B	32.8 B	30.5	11.5	10.6	15.4	65.1	7.12B	2.08B	18
19	1.16 B	0.807B	0.654B	0.501B	58.9 B	27.7	11.7	9.89	14.2	59.1	6.76B	2.04B	19
20	1.14 B	0.807B	0.654B	0.493B	134 B	26.3	14.5	8.91	13.5	50.8	6.41B	1.95B	20
21	1.13 B	0.807B	0.646B	0.493B	166 B	24.6	16.6	8.56	12.6	43.9 B	6.11B	1.94B	21
22	1.11 B	0.799B	0.646B	0.484B	202 B	22.7	16.3	8.14	12.0	38.4 B	5.79B	1.86B	22
23	1.09 B	0.790B	0.637B	0.484B	205 B	20.9	14.8	7.54	11.3	34.5 B	5.57B	1.84B	23
24	1.08 B	0.782B	0.637B	0.476B	178 B	19.8	14.4	6.92	11.0	30.9 B	5.22B	1.77B	24
25	1.08 B	0.773B	0.629B	0.467B	172 E	18.2	21.8	6.61	10.7	27.8 B	5.04B	1.76B	25
26	1.06 B	0.765B	0.620B	0.467B	140 A	16.6	33.4	6.02	10.3	27.0 B	4.81B	1.71B	26
27	1.04 B	0.765B	0.612B	0.467B	122	15.2	43.1	5.67	10.3	26.0 B	4.61B	1.69B	27
28	1.03 B	0.765B	0.612B	0.459B	99.8	14.5	46.5	5.18	9.50	25.2 B	4.42B	1.66B	28
29	1.01 B		0.603B	0.459B	85.2	13.4	45.5	5.17	9.49	24.7 B	4.26B	1.62B	29
30	0.991B		0.595B	0.450B	75.3	13.1	42.2	4.77	9.04	24.5 B	4.04B	1.60B	30
31	0.991B		0.595B		64.9		37.6	4.84		24.2 B		1.56B	31
TOTAL	38.112	23.824	20.814	15.564	1 745.249	894.6	604.3	376.82	325.31	876.52	292.10	73.51	TOTAL
MEAN	1.23	0.851	0.671	0.519	56.3	29.8	19.5	12.2	10.8	28.3	9.74	2.37	MEAN
MAX	1.56	0.977	0.739	0.586	205	56.9	46.5	32.1	16.4	66.4	21.9	3.90	MAX
MIN	0.991	0.765	0.595	0.450	0.391	13.1	11.5	4.77	5.37	7.98	4.04	1.56	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.5
MAXIMUM DAILY, 205B ON MAY 23
MINIMUM DAILY, 0.391B ON MAY 11

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 290	JUL	52 200
FEB	2 060	AUG	32 600
MAR	1 800	SEP	28 100
APR	1 340	OCT	75 700
MAY	151 000	NOV	25 200
JUN	77 300	DEC	6 350

TOTAL DISCHARGE, 457 000 dam³

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05NG014

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	539.219	539.198	539.893	540.047	540.034	539.977	539.874	539.682	539.543	539.411	539.349	539.306	1
2	539.219	539.196	539.894	540.051	540.032	539.970	539.869	539.675	539.532	539.412	539.347	539.304	2
3	539.216	539.194	539.891	540.057	540.033	539.964	539.863	539.669	539.521	539.403	539.345	539.305	3
4	539.215	539.192	539.889	540.060	540.032	539.963	539.855	539.664	539.515	539.408	539.344	539.305	4
5	539.213	539.192	539.888	540.063	540.031	539.964	539.846	539.674	539.509	539.407	539.341	539.304	5
6	539.214	539.191	539.886	540.063	540.028	539.960	539.840	539.671	539.507	539.407	539.338	539.302	6
7	539.213	539.191	539.885	540.058	540.025	539.956	539.824	539.663	539.503	539.404	539.336	539.300	7
8	539.213	539.190	539.883	540.059	540.021	539.951	539.812	539.658	539.498	539.401	539.333	539.299	8
9	539.213	539.188	539.881	540.058	540.015	539.945	539.800	539.649	539.492	539.393	539.328	539.296	9
10	539.211	539.188	539.880	540.053	540.012	539.938	539.789	539.644	539.483	539.390	539.327	539.296	10
11	539.208	539.187	539.881	540.051	540.008	539.930	539.800	539.636	539.474	539.392	539.325	539.295	11
12	539.208	539.186	539.884	540.050	540.002	539.924	539.805	539.629	539.467	539.392	539.323	539.293	12
13	539.207	539.184	539.892	540.045	539.999	539.922	539.798	539.620	539.460	539.386	539.320	539.292	13
14	539.206	539.186	539.903	540.041	539.996	539.921	539.792	539.611	539.456	539.381	539.318	539.291	14
15	539.205	539.182	539.912	540.040	539.993	539.921	539.787	539.602	539.449	539.378	539.316	539.290	15
16	539.201	539.189	539.922	540.036	539.984	539.918	539.779	539.596	539.446	539.375	539.314	539.288	16
17	539.201	539.266	539.933	540.032	539.977	539.917	539.773	539.588	539.441	539.374	539.314	539.286	17
18	539.201	539.395	539.942	540.032	539.973	539.917	539.768	539.579	539.435	539.369	539.317	539.285	18
19	539.200	539.473	539.948	540.025	539.967	539.912	539.765	539.571	539.431	539.366	539.315	539.283	19
20	539.199	539.526	539.952	540.026	539.959	539.910	539.758	539.563	539.426	539.365	539.313	539.282	20
21	539.197	539.640	539.955	540.018	539.951	539.912	539.751	539.558	539.422	539.367	539.311	539.279	21
22	539.196	539.739	539.957	540.014	539.949	539.915	539.743	539.552	539.419	539.366	539.310	539.280	22
23	539.195	539.807	539.960	540.012	539.955	539.911	539.738	539.565	539.414	539.364	539.312	539.279	23
24	539.194	539.849	539.963	540.011	539.961	539.905	539.730	539.575	539.409	539.359	539.313	539.278	24
25	539.200	539.870	539.973	540.008	539.972	539.898	539.722	539.575	539.406	539.358	539.312	539.278	25
26	539.203	539.879	539.979	540.006	539.980	539.894	539.715	539.570	539.422	539.356	539.313	539.277	26
27	539.202	539.887	539.987	540.006	539.985	539.886	539.707	539.567	539.419	539.351	539.312	539.276	27
28	539.201	539.889	540.002	540.014	539.988	539.885	539.699	539.561	539.415	539.349	539.310	539.274	28
29	539.199		540.014	540.023	539.987	539.883	539.690	539.554	539.409	539.350	539.309	539.273	29
30	539.199		540.028	540.030	539.984	539.879	539.686	539.547	539.409	539.352	539.306	539.273	30
31	539.198		540.038		539.981		539.687	539.546		539.351		539.273	31
MEAN	539.205	539.402	539.932	540.036	539.994	539.925	539.776	539.607	539.458	539.379	539.322	539.288	MEAN
MAX	539.219	539.889	540.038	540.063	540.034	539.977	539.874	539.682	539.543	539.412	539.349	539.306	MAX
MIN	539.194	539.182	539.880	540.006	539.949	539.879	539.686	539.546	539.406	539.349	539.306	539.273	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 539.611
MAXIMUM DAILY, 540.063 ON APR 5
MINIMUM DAILY, 539.182 ON FEB 15
MAXIMUM INSTANTANEOUS,
540.071 AT 04:17 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 100 24 40 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEVILS CREEK NEAR LIBAU - STATION NO. 05OJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	0.234B	0.018A	0.038	0.091	0.038	0.036	0.031	---	---	1
2	---	---	0.233B	0.220B	0.023A	0.033	0.078	0.034	0.019	0.037	---	---	2
3	---	---	0.216B	0.138B	0.042A	0.038	0.080	0.038	0.011	0.048	---	---	3
4	---	---	0.199B	0.134B	0.062A	0.036	0.072	0.125	0.007	0.064	---	---	4
5	---	---	0.182B	0.148B	0.059A	0.037	0.065	0.244	0.005	0.071	---	---	5
6	---	---	0.165B	0.156B	0.058A	0.036	0.059	0.064	0.013	0.065	---	---	6
7	---	---	0.205B	0.161B	0.049A	0.029	0.046	0.047	0.018	0.080	---	---	7
8	---	---	0.245B	0.126B	0.048A	0.020	0.039	0.030	0.018	0.097	---	---	8
9	---	---	0.285B	0.098B	0.071A	0.026	0.036	0.027	0.019	0.109	---	---	9
10	---	---	0.325B	0.096B	0.070A	0.031	0.025	0.021	0.022	0.115	---	---	10
11	---	---	0.365B	0.072A	0.066	0.037	0.019	0.018	0.021	0.121	---	---	11
12	---	---	0.405B	0.068A	0.068	0.039	0.017	0.019	0.021	0.142	---	---	12
13	---	---	0.445B	0.058A	0.067	0.041	0.015	0.019	0.025	0.167	---	---	13
14	---	---	0.280B	0.088A	0.068	0.041	0.012	0.018	0.022	0.149	---	---	14
15	---	---	0.307B	0.081A	0.075	0.046	0.010	0.017	0.021	0.158	---	---	15
16	---	---	0.334B	0.055A	0.073	0.049	0.012	0.019	0.022	0.153	---	---	16
17	---	---	0.362B	0.055A	0.074	0.050	0.014	0.019	0.020	0.163	---	---	17
18	---	---	0.364B	0.050A	0.074	0.039	0.014	0.019	0.019	0.163	---	---	18
19	---	---	0.360B	0.034A	0.084	0.041	0.012	0.017	0.018	0.152	---	---	19
20	---	---	0.354B	0.035A	0.097	0.041	0.064	0.016	0.017	0.135B	---	---	20
21	---	---	0.348B	0.035A	0.113	0.051	0.017	0.015	0.018	0.113B	---	---	21
22	---	---	0.321B	0.034A	0.112	0.054	0.015	0.014	0.020	0.094B	---	---	22
23	---	---	0.281B	0.035A	0.099	0.063	0.015	0.012	0.023	0.076B	---	---	23
24	---	---	0.267B	0.036A	0.096	0.067	0.014	0.009	0.021	0.061B	---	---	24
25	---	---	0.263B	0.031A	0.090	0.073	0.014	0.007	0.019	0.049B	---	---	25
26	---	---	0.266B	0.019A	0.086	0.069	0.014	0.005	0.028	0.045B	---	---	26
27	---	---	0.264B	0.019A	0.074	0.076	0.013	0.005	0.037	0.089B	---	---	27
28	---	---	0.263B	0.018A	0.063	0.094	0.013	0.005	0.029	0.089	---	---	28
29	---		0.270B	0.019A	0.059	0.087	0.013	0.005	0.022	0.083	---	---	29
30	---		0.278B	0.019A	0.060	0.096	0.015	0.005	0.025	0.075	---	---	30
31	---		0.263B		0.049		0.030	0.014		0.083		---	31
TOTAL	---	---	8.965	2.372	2.143	1.478	0.953	0.945	0.616	3.077	---	---	TOTAL
MEAN	---	---	0.289	0.079	0.069	0.049	0.031	0.030	0.021	0.099	---	---	MEAN
MAX	---	---	0.445	0.234	0.113	0.096	0.091	0.244	0.037	0.167	---	---	MAX
MIN	---	---	0.165	0.018	0.018	0.020	0.010	0.005	0.005	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.084
MAXIMUM DAILY, 0.445B ON MAR 13
MINIMUM DAILY, 0.005 ON AUG 26
MAXIMUM INSTANTANEOUS,
0.445 AT 13:00 CST ON MAR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 96 42 50 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	82.3
FEB	---	AUG	81.6
MAR	775	SEP	53.2
APR	205	OCT	266
MAY	185	NOV	---
JUN	120	DEC	---

TOTAL DISCHARGE, 1 780 dam³

DOG LAKE NEAR VOGAR - STATION NO. 05LN005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	28.210E	28.183E	28.120	28.090	28.074E	28.027	28.027	---	---	1
2	---	---	---	28.210E	28.179	28.116E	28.088E	28.075	28.025	28.025	---	---	2
3	---	---	---	28.210E	28.177E	28.112	28.086	28.074E	28.021	28.025	---	---	3
4	---	---	---	28.210E	28.174	28.108	28.084	28.073	28.017	28.030	---	---	4
5	---	---	---	28.210	28.170E	28.105E	28.081	28.070	28.014	28.035	---	---	5
6	---	---	---	28.210E	28.166E	28.101	28.077	28.069E	28.039	28.035	---	---	6
7	---	---	---	28.210E	28.163	28.096	28.073	28.068	28.034	28.038E	---	---	7
8	---	---	---	28.210E	28.161E	28.092E	28.068	28.076	28.029	28.040	---	---	8
9	---	---	---	28.210E	28.158	28.088	28.063	28.073	28.025	28.042	---	---	9
10	---	---	---	28.210E	28.149	28.080	28.058	28.072E	28.022	28.045	---	---	10
11	---	---	---	28.210	28.143E	28.075	28.052	28.071	28.017	28.043	---	---	11
12	---	---	---	28.210	28.137	28.069	28.047	28.071	28.013	28.042	---	---	12
13	---	---	---	28.210E	28.132E	28.074	28.042	28.069E	28.009	28.041E	---	---	13
14	---	---	---	28.210E	28.126	28.074	28.037	28.068	28.007	28.040	---	---	14
15	---	---	---	28.210E	28.116E	28.076	28.041	28.064	28.001	28.040	---	---	15
16	---	---	---	28.210E	28.106	28.075	28.111	28.059	27.995	28.037	---	---	16
17	---	---	---	28.210E	28.101	28.083	28.111	28.055	27.990	28.035	---	---	17
18	---	---	---	28.210	28.095	28.118	28.116	28.051	27.985	28.035	---	---	18
19	---	---	---	28.210	28.090	28.118	28.110	28.048	27.980	28.033	---	---	19
20	---	---	---	28.208E	28.083	28.112	28.105	28.043	27.978	28.030	---	---	20
21	---	---	---	28.205	28.075	28.107	28.100	28.037	28.005	28.030	---	---	21
22	---	---	---	28.203E	28.094	28.117E	28.095	28.032	27.975	28.027	---	---	22
23	---	---	---	28.200	28.114	28.127	28.096E	28.030	27.978	28.025	---	---	23
24	---	---	---	28.197E	28.124	28.097	28.097E	28.027	27.980	28.025	---	---	24
25	---	---	---	28.195	28.124	28.096E	28.099	28.024	27.983	28.025	---	---	25
26	---	---	---	28.195	28.120	28.096E	28.094	28.021	27.990	28.025	---	---	26
27	---	---	---	28.192E	28.116E	28.096	28.092E	28.017	28.020	28.025	---	---	27
28	---	---	---	28.190	28.113	28.096	28.088	28.013	28.035	28.025	---	---	28
29	---		---	28.185	28.118	28.092E	28.086	28.009	28.033	28.045	---	---	29
30	---		---	28.185	28.123	28.094E	28.084E	28.005	28.030	28.065	---	---	30
31	---		---		28.122		28.081	28.030		28.075		---	31
MEAN	---	---	---	28.205	28.131	28.097	28.082	28.051	28.009	28.036	---	---	MEAN
MAX	---	---	---	28.210	28.183	28.127	28.116	28.076	28.039	28.075	---	---	MAX
MIN	---	---	---	28.185	28.075	28.069	28.037	28.005	27.975	28.025	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 02 30 N
LONG 98 36 31 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DOMAIN DRAIN NEAR DOMAIN - STATION NO. 05OG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.120	0	0.043	0.203	0	0	0	---	---	1
2	---	---	0 B	0.103	0	0.015	0.154	0	0	0	---	---	2
3	---	---	0 B	0.077	0	0	0.115	0	0	0	---	---	3
4	---	---	0 B	0.056	0	0	0.083	0	0	0	---	---	4
5	---	---	0 B	0.048	0	0	0.057	0	0	0	---	---	5
6	---	---	0 B	0.051	0	0	0.029	0	0	0	---	---	6
7	---	---	0 B	0.035	0	0	0.002	0	0	0	---	---	7
8	---	---	0 B	0.016	0	0	0	0.010	0	0	---	---	8
9	---	---	0 B	0.003	0	0	0	0.016	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0.004	0	0	---	---	10
11	---	---	0.029B	0	0	0	0	0	0	0	---	---	11
12	---	---	0.050B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.120B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.190B	0	0	0	0	0.009	0	0	---	---	14
15	---	---	0.204B	0	0	0	0	0.048	0	0	---	---	15
16	---	---	0.176B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.148B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.141B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.155B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.174B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.204B	0	0	0	0	0	0	0A	---	---	21
22	---	---	0.232B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.260B	0	0.405	0	0	0	0	0	---	---	23
24	---	---	0.288B	0	0.434	0.001	0	0	0	0	---	---	24
25	---	---	0.309B	0	0.293	0.001	0	0	0	0	---	---	25
26	---	---	0.316B	0	0.189	0	0	0	0	0	---	---	26
27	---	---	0.312A	0	0.114	0.001	0	0	0	0	---	---	27
28	---	---	0.315	0	0.132	0.174	0	0	0	0	---	---	28
29	---		0.263	0	0.286	0.296	0	0	0	0	---	---	29
30	---		0.239	0	0.164	0.267	0	0	0	0	---	---	30
31	---		0.169		0.088		0	0		0		---	31
TOTAL	---	---	4.294	0.509	2.105	0.798	0.643	0.087	0	0	---	---	TOTAL
MEAN	---	---	0.139	0.017	0.068	0.027	0.021	0.003	0	0	---	---	MEAN
MAX	---	---	0.316	0.120	0.434	0.296	0.203	0.048	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.434 ON MAY 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.648 AT 12:06 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 32 N
LONG 97 17 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	55.6
FEB	---	AUG	7.52
MAR	371	SEP	0
APR	44.0	OCT	0
MAY	182	NOV	---
JUN	68.9	DEC	---

TOTAL DISCHARGE, 729 dam³

DUCK RIVER AT COWAN - STATION NO. 05LG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.715B	1.82	1.06	0.729	0.342	0.007	0.670	---	---	1
2	---	---	0 B	0.660B	1.84	0.771	0.631	0.390	0.006	0.617	---	---	2
3	---	---	0 B	0.601B	1.72	0.591	0.571	0.538	0.009	0.583	---	---	3
4	---	---	0 B	0.617B	1.67	0.478	0.490	0.431	0.006	0.528	---	---	4
5	---	---	0 B	0.649B	1.55	0.405	0.408	0.449	0.005	0.487	---	---	5
6	---	---	0 B	0.697B	1.41	0.336	0.368	0.634	0.014	0.447	---	---	6
7	---	---	0 B	0.709B	1.27	0.282	0.344	0.561	0.017	0.411	---	---	7
8	---	---	0 B	0.691B	1.13	0.288	0.902	0.365	0.019	0.361	---	---	8
9	---	---	0 B	0.591B	0.939	0.254	1.84	0.261	0.018	0.374	---	---	9
10	---	---	0 B	0.549B	0.861	0.261	1.07	0.220	0.020	0.388	---	---	10
11	---	---	0.001B	0.519B	0.863	0.268	0.713	0.217	0.018	0.368	---	---	11
12	---	---	0.004B	0.491B	0.820	0.173	0.533	0.161	0.012	0.437	---	---	12
13	---	---	0.006B	0.481B	0.734	0.115	0.409	0.120	0.013	0.748	---	---	13
14	---	---	0.010B	0.462B	0.753	0.129	0.342	0.100	0.014	0.949	---	---	14
15	---	---	0.011B	0.489B	0.716	5.46	0.377	0.080	0.024	0.835	---	---	15
16	---	---	0.011B	0.638B	0.663	9.05	0.799	0.067	0.036	0.715	---	---	16
17	---	---	0.011B	0.987B	0.603	5.00	0.978	0.054	0.053	0.727	---	---	17
18	---	---	0.014B	0.963B	0.560	4.77	0.840	0.049	0.052	0.833	---	---	18
19	---	---	0.016B	0.957	0.541	4.32	0.681	0.048	0.054	0.813	---	---	19
20	---	---	0.016B	1.10	0.543	2.96	0.509	0.047	0.063	0.755	---	---	20
21	---	---	0.016B	0.913	0.543	2.09	0.411	0.040	0.068	0.665	---	---	21
22	---	---	0.016B	0.794	0.510	1.71	0.354	0.031	0.076	0.552	---	---	22
23	---	---	0.018B	0.714	0.525	3.47	0.307	0.028	0.081	0.530	---	---	23
24	---	---	0.022B	1.10	0.778	13.3	0.339	0.026	0.102	0.556	---	---	24
25	---	---	0.031B	1.03	0.891	7.55	0.346	0.026	0.139	0.402	---	---	25
26	---	---	0.041B	1.24	0.808	3.92	0.292	0.017	0.292	0.501	---	---	26
27	---	---	0.092B	1.45	0.694	2.43	0.289	0.012	0.855	0.511	---	---	27
28	---	---	0.169B	1.66	0.647	1.65	0.226	0.007	0.796	0.478	---	---	28
29	---		0.265B	1.69	0.982	1.25	0.177	0.006	0.678	0.476A	---	---	29
30	---		0.389B	1.77	1.51	0.914	0.193	0.003	0.697	0.467E	---	---	30
31	---		0.586B		1.33		0.302	0.005		0.453E		---	31
TOTAL	---	---	1.745	25.927	30.224	75.255	16.730	5.335	4.244	17.637	---	---	TOTAL
MEAN	---	---	0.056	0.864	0.975	2.51	0.540	0.172	0.141	0.569	---	---	MEAN
MAX	---	---	0.586	1.77	1.84	13.3	1.84	0.634	0.855	0.949	---	---	MAX
MIN	---	---	0	0.462	0.510	0.115	0.177	0.003	0.005	0.361	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.723
MAXIMUM DAILY, 13.3 ON JUN 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.1 AT 11:23 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 39 00 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 450
FEB	---	AUG	461
MAR	151	SEP	367
APR	2 240	OCT	1 520
MAY	2 610	NOV	---
JUN	6 500	DEC	---

TOTAL DISCHARGE, 15 300 dam³

EAST FISHER RIVER NEAR HODGSON - STATION NO. 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.192B	0.996B	0.353	0.415	---	---	---	---	---	---	1
2	---	---	0.192B	0.435B	0.370	0.395	---	---	---	---	---	---	2
3	---	---	0.192B	0.384B	0.338	0.362	---	---	---	---	---	---	3
4	---	---	0.192B	0.505B	0.321	0.362	---	---	---	---	---	---	4
5	---	---	0.192B	0.510B	0.331	0.367	---	---	---	---	---	---	5
6	---	---	0.192B	0.709B	0.326	0.366	---	---	---	---	---	---	6
7	---	---	0.192B	0.742	0.314	0.348	---	---	---	---	---	---	7
8	---	---	0.192B	0.694	0.304	0.361	---	---	---	---	---	---	8
9	---	---	0.192B	0.646	0.296	0.373	---	---	---	---	---	---	9
10	---	---	0.192B	0.612	0.295	0.367	---	---	---	---	---	---	10
11	---	---	0.271B	0.538	0.291	0.352	---	---	---	---	---	---	11
12	---	---	0.350B	0.514	0.273	0.344	---	---	---	---	---	---	12
13	---	---	0.429B	0.500	0.292	0.340	---	---	---	---	---	---	13
14	---	---	0.508B	0.479	0.303	0.357	---	---	---	---	---	---	14
15	---	---	0.587B	0.491	0.305	0.521	---	---	---	---	---	---	15
16	---	---	0.660B	0.481	0.302	0.908	---	---	---	---	---	---	16
17	---	---	0.746B	0.497	0.285	0.911	---	---	---	---	---	---	17
18	---	---	0.736B	0.487	0.297	1.37	---	---	---	---	---	---	18
19	---	---	0.726B	0.487	0.284	2.98	---	---	---	---	---	---	19
20	---	---	0.717B	0.472	0.297	2.93	---	---	---	---	---	---	20
21	---	---	0.707B	0.467	0.295	1.91	---	---	---	---	---	---	21
22	---	---	0.697B	0.475	0.341	1.00	---	---	---	---	---	---	22
23	---	---	0.688B	0.463	0.416	0.439	---	---	---	---	---	---	23
24	---	---	0.678B	0.461	0.486	0.217	---	---	---	---	---	---	24
25	---	---	0.669B	0.463	0.555	0.097	---	---	---	---	---	---	25
26	---	---	0.196B	0.442	0.542	0.047	---	---	---	---	---	---	26
27	---	---	0.330B	0.352	0.522	0.040	---	---	---	---	---	---	27
28	---	---	0.814B	0.357	0.479	0.033	---	---	---	---	---	---	28
29	---		1.44 B	0.398	0.460	0.004	---	---	---	---	---	---	29
30	---		1.77 B	0.376	0.462	0	---	---	---	---	---	---	30
31	---		1.60 B		0.454		---	---		---		---	31
TOTAL	---	---	17.239	15.433	11.189	18.516	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.556	0.514	0.361	0.617	---	---	---	---	---	---	MEAN
MAX	---	---	1.77	0.996	0.555	2.98	---	---	---	---	---	---	MAX
MIN	---	---	0.192	0.352	0.273	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.511
MAXIMUM DAILY, 2.98 ON JUN 19
MINIMUM DAILY, 0 ON JUN 30
MAXIMUM INSTANTANEOUS,
3.20 AT 23:07 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DRAINAGE AREA, 394 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 490	SEP	---
APR	1 330	OCT	---
MAY	967	NOV	---
JUN	1 600	DEC	---

TOTAL DISCHARGE, 5 390 dam³

EASTERN TRIBUTARY TO EDWARDS CREEK - STATION NO. 05LJ032

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.014B	0.014B	0.055B	0.691B	0.193	0.293	0.075	0.030	0.039	0.074	0.036	0.017B	1
2	0.014B	0.014B	0.060B	0.698B	0.168	0.240	0.066	0.034	0.033	0.052	0.033	0.017B	2
3	0.014B	0.014B	0.065B	0.723B	0.150	0.215	0.058	0.031	0.031	0.045	0.033A	0.016B	3
4	0.014B	0.013B	0.070B	0.796B	0.141	0.202	0.054	0.031	0.029	0.047	0.033E	0.015B	4
5	0.014B	0.013B	0.076B	0.869B	0.137	0.201	0.049	0.045	0.031	0.048	0.032E	0.014B	5
6	0.014B	0.013B	0.080B	0.987B	0.126	0.199	0.047	0.063	0.030	0.044	0.032E	0.013B	6
7	0.014B	0.013B	0.085B	0.759B	0.123	0.188	0.046	0.042	0.027	0.035	0.032E	0.013B	7
8	0.014B	0.012B	0.100B	0.463B	0.125	0.181	0.045	0.038	0.025	0.034	0.031E	0.012B	8
9	0.014B	0.012B	0.115B	0.317B	0.128	0.176	0.042	0.034	0.024	0.035	0.031E	0.012B	9
10	0.014B	0.012B	0.133B	0.279B	0.120	0.175	0.039	0.041	0.023	0.034	0.030E	0.011B	10
11	0.014B	0.012B	0.155B	0.253B	0.114	0.177	0.037	0.039	0.022	0.034	0.030E	0.010B	11
12	0.014B	0.012B	0.191B	0.228B	0.111	0.173	0.035	0.038	0.022	0.037	0.030E	0.009B	12
13	0.014B	0.011B	0.222B	0.209B	0.097	0.168	0.032	0.038	0.023	0.039	0.030E	0.009B	13
14	0.014B	0.011B	0.244B	0.222B	0.090	0.179	0.031	0.035	0.023	0.035	0.029E	0.008B	14
15	0.014B	0.011B	0.260B	0.253B	0.090	2.30	0.074	0.034	0.024	0.034	0.029E	0.007B	15
16	0.014B	0.012B	0.267B	0.271A	0.090	0.795	0.064	0.033	0.025	0.032	0.029E	0.004B	16
17	0.014B	0.015B	0.275B	0.148	0.092	0.625	0.040	0.033	0.025	0.042	0.029E	0.002B	17
18	0.014B	0.018B	0.282B	0.087	0.093	0.746	0.036	0.034	0.024	0.039	0.028B	0.001B	18
19	0.014B	0.021B	0.290B	0.093	0.092	0.334	0.033	0.038	0.025	0.036	0.028B	0 B	19
20	0.014B	0.024B	0.298B	0.080	0.091	0.210	0.031	0.036	0.024	0.036B	0.028B	0 B	20
21	0.015B	0.027B	0.306B	0.104	0.092	0.165	0.030	0.034	0.025	0.030B	0.027B	0 B	21
22	0.015B	0.030B	0.313B	0.121	0.180	0.139	0.028	0.035	0.026	0.031B	0.026B	0 B	22
23	0.015B	0.033B	0.321B	0.087	1.01	0.263	0.031	0.038	0.026	0.030B	0.025B	0 B	23
24	0.015B	0.036B	0.329B	0.086	0.947	0.918	0.040	0.036	0.027	0.039B	0.024B	0 B	24
25	0.015B	0.039B	0.346B	0.094	0.622	0.420	0.032	0.037	0.031	0.263B	0.023B	0 B	25
26	0.015B	0.042B	0.373B	0.103	0.433	0.241	0.029	0.035	0.076	0.036	0.022B	0 B	26
27	0.015B	0.045B	0.416B	0.106	0.327	0.182	0.027	0.034	0.075	0.029	0.021B	0 B	27
28	0.015B	0.048B	0.565B	0.130	0.292	0.150	0.027	0.032	0.051	0.029	0.020B	0 B	28
29	0.015B		0.628B	0.122	1.22	0.118	0.027	0.030	0.049	0.031	0.019B	0 B	29
30	0.015B		0.691B	0.155	0.697	0.089	0.033	0.030	0.081	0.034	0.018B	0 B	30
31	0.014B		0.660B		0.376		0.032	0.066		0.042		0 B	31
TOTAL	0.444	0.577	8.271	9.534	8.567	10.462	1.270	1.154	0.996	1.406	0.838	0.190	TOTAL
MEAN	0.014	0.021	0.267	0.318	0.276	0.349	0.041	0.037	0.033	0.045	0.028	0.006	MEAN
MAX	0.015	0.048	0.691	0.987	1.22	2.30	0.075	0.066	0.081	0.263	0.036	0.017	MAX
MIN	0.014	0.011	0.055	0.080	0.090	0.089	0.027	0.030	0.022	0.029	0.018	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.120
MAXIMUM DAILY, 2.30 ON JUN 15
MINIMUM DAILY, 0B ON DEC 19
MAXIMUM INSTANTANEOUS,
4.96 AT 12:09 CST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 03 N
LONG 100 03 35 W
DRAINAGE AREA, 14.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38.4	JUL	110
FEB	49.9	AUG	99.7
MAR	715	SEP	86.1
APR	824	OCT	121
MAY	740	NOV	72.4
JUN	904	DEC	16.4

TOTAL DISCHARGE, 3 780 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO. 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.015B	0.590B	1.07	2.15	0.417	0.264	0.050	0.189	---	---	1
2	---	---	0.018B	0.550B	0.908	1.47	0.381	0.255	0.025	0.137	---	---	2
3	---	---	0.021B	0.540B	0.788	1.09	0.331	0.286	0.020	0.115	---	---	3
4	---	---	0.024B	0.560B	0.673	0.860	0.295	0.263	0.037	0.111	---	---	4
5	---	---	0.026B	0.600B	0.662	0.810	0.266	0.347	0.044	0.117	---	---	5
6	---	---	0.028B	0.660B	0.580	0.614	0.240	0.665	0.051	0.120	---	---	6
7	---	---	0.030B	0.720B	0.520	0.510	0.224	0.451	0.050	0.110	---	---	7
8	---	---	0.035B	0.900B	0.476	0.455	0.221	0.362	0.059	0.099	---	---	8
9	---	---	0.045B	1.00 B	0.434	0.460	0.203	0.316	0.041	0.098	---	---	9
10	---	---	0.060B	1.05 B	0.384	0.471	0.207	0.298	0.034	0.099	---	---	10
11	---	---	0.100B	1.02 B	0.366	0.435	0.197	0.313	0.032	0.098	---	---	11
12	---	---	0.080B	0.980B	0.360	0.398	0.194	0.279	0.026	0.103	---	---	12
13	---	---	0.040B	0.784B	0.330	0.367	0.183	0.303	0.018	0.105	---	---	13
14	---	---	0.035B	0.760B	0.318	0.456	0.174	0.274	0.018	0.099	---	---	14
15	---	---	0.070B	0.913	0.295	6.00	0.304	0.272	0.016	0.096	---	---	15
16	---	---	0.080B	1.25	0.284	6.51	0.537	0.226	0.004	0.095	---	---	16
17	---	---	0.040B	1.55	0.278	4.17	0.347	0.200	0.001	0.096	---	---	17
18	---	---	0.030B	1.22	0.266	6.02	0.268	0.169	0	0.122	---	---	18
19	---	---	0.027B	0.908	0.248	3.78	0.234	0.160	0	0.130	---	---	19
20	---	---	0.023B	0.910	0.245	2.22	0.208	0.148	0	0.119	---	---	20
21	---	---	0.035B	0.941	0.238	1.36	0.197	0.139	0	0.114	---	---	21
22	---	---	0.060B	0.906	0.913	1.09	0.181	0.147	0	0.115	---	---	22
23	---	---	0.078B	0.724	5.35	1.25	0.189	0.150	0	0.116	---	---	23
24	---	---	0.160B	0.596	5.51	4.19	0.215	0.181	0	0.117	---	---	24
25	---	---	0.150B	0.775	4.25	2.96	0.223	0.176	0.007	0.118	---	---	25
26	---	---	0.131B	0.813	2.98	1.62	0.196	0.130	0.118	0.117	---	---	26
27	---	---	0.400B	0.733	1.94	0.942	0.179	0.107	0.201	0.120	---	---	27
28	---	---	0.460B	0.657	1.41	0.777	0.157	0.105	0.141	0.126	---	---	28
29	---		0.520B	0.659	5.85	0.708	0.142	0.081	0.118	0.139	---	---	29
30	---		0.580B	0.715	5.78	0.562	0.136	0.074	0.134	0.139	---	---	30
31	---		0.600B		3.30		0.204	0.083		0.174		---	31
TOTAL	---	---	4.001	24.984	47.006	58.705	7.450	7.224	1.245	3.653	---	---	TOTAL
MEAN	---	---	0.129	0.833	1.52	1.82	0.240	0.233	0.042	0.118	---	---	MEAN
MAX	---	---	0.600	1.55	5.85	6.51	0.537	0.665	0.201	0.189	---	---	MAX
MIN	---	---	0.015	0.540	0.238	0.367	0.136	0.074	0	0.095	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.613
MAXIMUM DAILY, 6.51 ON JUN 16
MINIMUM DAILY, 0 ON SEP 18
MAXIMUM INSTANTANEOUS,
12.5 AT 18:56 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	644
FEB	---	AUG	624
MAR	346	SEP	108
APR	2 160	OCT	316
MAY	4 060	NOV	---
JUN	4 730	DEC	---

TOTAL DISCHARGE, 13 000 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05NG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.215B	0.058	0.013	0	0.075	0	0	0.007	---	---	1
2	---	0 B	0.195B	0.057	0.011	0	0.063	0	0	0.002	---	---	2
3	---	0 B	0.186B	0.054	0.010	0	0.05›	0	0	0.001	---	---	3
4	---	0 B	0.178B	0.051	0.011	0	0.049	0	0	0.001	---	---	4
5	---	0 B	0.169B	0.046	0.014	0	0.042	0	0	0	---	---	5
6	---	0 B	0.161B	0.040	0.016	0	0.035	0	0	0	---	---	6
7	---	0 B	0.157B	0.035	0.016	0	0.029	0	0	0	---	---	7
8	---	0 B	0.154B	0.032	0.014	0	0.020	0	0	0	---	---	8
9	---	0 B	0.152B	0.029	0.010	0	0.009	0	0	0	---	---	9
10	---	0 B	0.151B	0.025	0.010	0	0.001	0	0	0	---	---	10
11	---	0 B	0.149B	0.021	0.017	0	0.070	0	0	0	---	---	11
12	---	0 B	0.123B	0.026	0.016	0	0.063	0	0	0.001	---	---	12
13	---	0 B	0.114B	0.024	0.015	0	0.058	0	0	0.002	---	---	13
14	---	0 B	0.151B	0.018	0.013	0	0.056	0	0	0.002	---	---	14
15	---	0 B	0.170B	0.017	0.012	0	0.050	0	0	0.001	---	---	15
16	---	0.001B	0.152B	0.018	0.010	0	0.044	0	0	0.001	---	---	16
17	---	0.012B	0.130B	0.016	0.009	0	0.040	0	0	0.001	---	---	17
18	---	0.067B	0.111B	0.012	0.006	0	0.036	0	0	0	---	---	18
19	---	0.195B	0.104B	0.006	0.003	0	0.032	0	0	0	---	---	19
20	---	0.372B	0.093B	0.005	0.001	0	0.030	0	0	0	---	---	20
21	---	0.675B	0.087B	0.003	0	0	0.022	0	0	0	---	---	21
22	---	1.07 B	0.084B	0.005	0	0	0.014	0	0	0	---	---	22
23	---	1.48 B	0.078	0.005	0	0.002	0.007	0	0	0	---	---	23
24	---	1.91 B	0.069	0.004	0.001	0.085	0.002	0	0	0	---	---	24
25	---	1.88 B	0.067	0.003	0.002	0.149	0	0	0.001	0	---	---	25
26	---	1.59 B	0.061	0.002	0.001	0.116	0	0	0.015	0	---	---	26
27	---	0.982B	0.057	0.002	0	0.134	0	0	0.004	0	---	---	27
28	---	0.372B	0.064	0.002	0	0.141	0	0	0.001	0	---	---	28
29	---		0.061	0.007	0	0.125	0	0	0.001	0	---	---	29
30	---		0.061	0.013	0	0.096	0	0	0.002	0	---	---	30
31	---		0.062		0		0	0.002		0		---	31
TOTAL	---	10.606	3.766	0.636	0.231	0.848	0.902	0.002	0.024	0.019	---	---	TOTAL
MEAN	---	0.379	0.121	0.021	0.007	0.028	0.029	0	0.001	0.001	---	---	MEAN
MAX	---	1.91	0.215	0.058	0.017	0.149	0.075	0.002	0.015	0.007	---	---	MAX
MIN	---	0	0.057	0.002	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.215B ON MAR 1
MINIMUM DAILY, 0 ON MAY 21
MAXIMUM INSTANTANEOUS,
1.91B AT 14:35 CST ON FEB 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 28 N
LONG 100 14 05 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	77.9
FEB	916	AUG	0.17
MAR	325	SEP	2.07
APR	55.0	OCT	1.64
MAY	20.0	NOV	---
JUN	73.3	DEC	---

TOTAL DISCHARGE, 555 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK - STATION NO. 05OG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.010B	0.041	0	0	---	---	---	---	---	---	1
2	---	0 B	0.009B	0.036	0	0	---	---	---	---	---	---	2
3	---	0 B	0.009B	0.026	0	0	---	---	---	---	---	---	3
4	---	0 B	0.008B	0.018	0	0	---	---	---	---	---	---	4
5	---	0 B	0.008B	0.013	0	0	---	---	---	---	---	---	5
6	---	0 B	0.007B	0.009	0	0	---	---	---	---	---	---	6
7	---	0 B	0.007B	0.006	0	0	---	---	---	---	---	---	7
8	---	0 B	0.006B	0.003	0	0	---	---	---	---	---	---	8
9	---	0 B	0.006B	0.002	0	0	---	---	---	---	---	---	9
10	---	0 B	0.006B	0	0	0	---	---	---	---	---	---	10
11	---	0 B	0.006B	0	0	0	---	---	---	---	---	---	11
12	---	0 B	0.017B	0	0	0	---	---	---	---	---	---	12
13	---	0 B	0.029B	0	0	0	---	---	---	---	---	---	13
14	---	0 B	0.040B	0	0	0	---	---	---	---	---	---	14
15	---	0 B	0.052B	0	0	0	---	---	---	---	---	---	15
16	---	0 B	0.063B	0	0	0	---	---	---	---	---	---	16
17	---	0 B	0.075B	0	0	0	---	---	---	---	---	---	17
18	---	0.010B	0.086B	0	0	0	---	---	---	---	---	---	18
19	---	0.020B	0.085B	0	0	0	---	---	---	---	---	---	19
20	---	0.030B	0.084B	0	0	0	---	---	---	---	---	---	20
21	---	0.035B	0.083B	0	0	0	---	---	---	---	---	---	21
22	---	0.030B	0.082B	0	0	0	---	---	---	---	---	---	22
23	---	0.025B	0.081B	0	0	0	---	---	---	---	---	---	23
24	---	0.020B	0.080E	0	0	0	---	---	---	---	---	---	24
25	---	0.018B	0.079E	0	0	0	---	---	---	---	---	---	25
26	---	0.016B	0.078E	0	0	0	---	---	---	---	---	---	26
27	---	0.014B	0.077E	0	0	0	---	---	---	---	---	---	27
28	---	0.012B	0.076E	0	0	0	---	---	---	---	---	---	28
29	---		0.075E	0	0	0	---	---	---	---	---	---	29
30	---		0.074E	0	0	0	---	---	---	---	---	---	30
31	---		0.072A		0		---	---		---		---	31
TOTAL	---	0.230	1.470	0.154	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	0.008	0.047	0.005	0	0	---	---	---	---	---	---	MEAN
MAX	---	0.035	0.086	0.041	0	0	---	---	---	---	---	---	MAX
MIN	---	0	0.006	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.086B ON MAR 18
MINIMUM DAILY, 0 ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 42 N
LONG 97 58 57 W
DRAINAGE AREA, 673 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	19.9	AUG	---
MAR	127	SEP	---
APR	13.3	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 140 dam³

REMARKS - MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK - STATION NO. 05OG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.011B	0	0	0	---	---	---	---	---	---	1
2	---	0 B	0.010B	0	0	0	---	---	---	---	---	---	2
3	---	0 B	0.009B	0	0	0	---	---	---	---	---	---	3
4	---	0 B	0.009B	0	0	0	---	---	---	---	---	---	4
5	---	0 B	0.008B	0	0	0	---	---	---	---	---	---	5
6	---	0 B	0.007B	0	0	0	---	---	---	---	---	---	6
7	---	0 B	0.007B	0	0	0	---	---	---	---	---	---	7
8	---	0 B	0.006B	0	0	0	---	---	---	---	---	---	8
9	---	0 B	0.005B	0	0	0	---	---	---	---	---	---	9
10	---	0 B	0.005B	0	0	0	---	---	---	---	---	---	10
11	---	0 B	0.004B	0	0	0	---	---	---	---	---	---	11
12	---	0 B	0.003B	0	0	0	---	---	---	---	---	---	12
13	---	0 B	0.002B	0	0	0	---	---	---	---	---	---	13
14	---	0 B	0.001B	0	0	0	---	---	---	---	---	---	14
15	---	0 B	0 B	0	0	0	---	---	---	---	---	---	15
16	---	0 B	0 B	0	0	0	---	---	---	---	---	---	16
17	---	0 B	0 B	0	0	0	---	---	---	---	---	---	17
18	---	0.005B	0 B	0	0	0	---	---	---	---	---	---	18
19	---	0.010B	0 B	0	0	0	---	---	---	---	---	---	19
20	---	0.020B	0 B	0	0	0	---	---	---	---	---	---	20
21	---	0.030B	0 B	0	0	0	---	---	---	---	---	---	21
22	---	0.025B	0 B	0	0	0	---	---	---	---	---	---	22
23	---	0.020B	0 B	0	0	0	---	---	---	---	---	---	23
24	---	0.014B	0 B	0	0	0	---	---	---	---	---	---	24
25	---	0.013B	0 B	0	0	0	---	---	---	---	---	---	25
26	---	0.013B	0 B	0	0	0	---	---	---	---	---	---	26
27	---	0.012B	0 B	0	0	0	---	---	---	---	---	---	27
28	---	0.011B	0 B	0	0	0	---	---	---	---	---	---	28
29	---		0 B	0	0	0	---	---	---	---	---	---	29
30	---		0 B	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---		---	31
TOTAL	---	0.173	0.087	0	0	0	---	---	---	---	---	---	TOTA
MEAN	---	0.006	0.003	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	0.030	0.011	0	0	0	---	---	---	---	---	---	MAX
MIN	---	0	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.011B ON MAR 1
MINIMUM DAILY, 0B ON MAR 15

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	14.9	AUG	---
MAR	7.52	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 7.52 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

EPINETTE CREEK NEAR CARBERRY - STATION NO. 05MH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.092E	0.012	0.001	0.001	0.001	0.001	0.001	---	---	1
2	---	---	0.002B	0.094E	0.011	0.003	0.001	0.001	0.001	0.001	---	---	2
3	---	---	0.003B	0.095E	0.004	0.003	0.001	0.001	0.001	0.002	---	---	3
4	---	---	0.003B	0.094E	0.002	0.060	0.001	0.001	0.001	0.001	---	---	4
5	---	---	0.003B	0.097E	0.003	0.090	0.001	0.004	0.001	0.001	---	---	5
6	---	---	0.002B	0.101A	0.006	0.012	0.001	0.002	0.001	0.001	---	---	6
7	---	---	0.002B	0.064A	0.005	0.007	0.001	0.001	0.001	0.001	---	---	7
8	---	---	0.003B	0.051A	0.003	0.002	0.001	0.001	0.001	0.001	---	---	8
9	---	---	0.005B	0.034A	0.003	0.003	0.001	0.001	0.001	0.001	---	---	9
10	---	---	0.009B	0.021A	0.003	0.003	0.001	0.002	0.001	0.001	---	---	10
11	---	---	0.014B	0.010A	0.003	0.001	0.004	0.001	0.001	0.001	---	---	11
12	---	---	0.022B	0.005A	0.003	0.001	0.002	0.001	0.001	0.002	---	---	12
13	---	---	0.029B	0.003A	0.003	0.002	0.001	0.001	0.001	0.001	---	---	13
14	---	---	0.042E	0.003A	0.003	0.002	0.001	0.001	0.001	0.001	---	---	14
15	---	---	0.051E	0.005A	0.002	0.001	0.001	0.001	0.001	0.001	---	---	15
16	---	---	0.059A	0.013A	0.001	0.002	0.001	0.001	0.001	0.001	---	---	16
17	---	---	0.062E	0.030A	0.001	0.003	0.001	0.001	0.001	0.001	---	---	17
18	---	---	0.063E	0.025A	0.006	0.003	0.001	0.001	0.001	0.001	---	---	18
19	---	---	0.061E	0.038A	0.003	0.004	0.001	0.001	0.001	0.001	---	---	19
20	---	---	0.059E	0.038A	0.002	0.004	0.001	0.001	0.001	0.001	---	---	20
21	---	---	0.057E	0.034A	0.001	0.006	0.001	0.001	0.001	0.001B	---	---	21
22	---	---	0.062E	0.034A	0.001	0.004	0.001	0.001	0.001	0 B	---	---	22
23	---	---	0.067A	0.021A	0.001	0.005	0.001	0.003	0.001	0 B	---	---	23
24	---	---	0.069E	0.021A	0.014	0.005	0.001	0.001	0.001	0 B	---	---	24
25	---	---	0.073E	0.030A	0.031	0.004	0.001	0.001	0.005	0 B	---	---	25
26	---	---	0.073E	0.030A	0.086	0.003	0.001	0.001	0.004	0.001B	---	---	26
27	---	---	0.077E	0.019A	0.048	0.003	0.001	0.001	0.001	0.001B	---	---	27
28	---	---	0.083E	0.032	0.003	0.005	0.002	0.001	0.001	0.001B	---	---	28
29	---		0.086E	0.040	0.010	0.003	0.001	0.001	0.001	0.001B	---	---	29
30	---		0.088E	0.027	0.016	0.001	0.002	0.001	0.001	0.001B	---	---	30
31	---		0.091E		0.003		0.001	0.002		0.001B		---	31
TOTAL	---	---	1.322	1.201	0.293	0.246	0.037	0.039	0.037	0.029	---	---	TOT
MEAN	---	---	0.043	0.040	0.009	0.008	0.001	0.001	0.001	0.001	---	---	MEA
MAX	---	---	0.091	0.101	0.086	0.090	0.004	0.004	0.005	0.002	---	---	MAX
MIN	---	---	0.002	0.003	0.001	0.001	0.001	0.001	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.101A ON APR 6
MINIMUM DAILY, 0B ON OCT 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 99 19 50 W
DRAINAGE AREA, 399 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.20
FEB	---	AUG	3.37
MAR	114	SEP	3.20
APR	108	OCT	2.51
MAY	25.3	NOV	---
JUN	21.3	DEC	---

TOTAL DISCHARGE, 277 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO. 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.6	60.4	48.0	26.3	17.7	17.1	24.9	22.9	24.0	17.3	18.1	16.8	1
2	62.7	60.1	48.3	26.6	19.9	17.2	21.7	21.9	28.3	27.7	17.9	16.5	2
3	64.5	59.8	49.2	25.6	15.7	16.8	19.5	21.8	21.3	19.6	17.4	16.6	3
4	64.6	59.3	48.3	26.1	16.3	20.4	20.3	23.0	22.4	18.1	17.9	16.6	4
5	63.3	56.8	44.1	26.8	17.3	19.4	17.7	22.5	24.8	17.3	17.5	16.4	5
6	62.6	55.4	37.1	29.8	18.9	17.7	18.5	20.1	20.7	17.4	18.1	16.3	6
7	62.3	55.1	32.4	30.3	19.5	16.9	18.4	21.2	21.5	18.2	16.2	16.1	7
8	62.4	55.8	26.4	28.1	11.9	16.0	27.4	16.9	20.7	17.8	15.9	16.1	8
9	63.6	56.5	26.2	26.2	15.4	14.1	30.5	19.0	21.0	19.2	18.9	16.2	9
10	62.7	56.9	26.2	20.9	19.8	12.3	24.2	21.5	22.4	20.0	15.6	16.3	10
11	62.9	57.3	26.7	13.0	18.1	12.7	22.9	21.5	21.3	21.1	16.8	16.7	11
12	61.6	56.6	26.3	14.3	18.4	13.0	23.1	19.8	20.8	23.1	18.2	16.5	12
13	59.0	54.6	26.7	13.5	18.4	10.4	21.2	21.7	18.6	25.3	18.5	16.6	13
14	56.9	53.8	26.9	13.5	17.5	9.64	21.1	19.8	17.6	22.9	17.6	16.5	14
15	56.7	53.0	26.0	14.2	9.34	8.93	24.7	19.8	14.3	20.5	17.8	16.4	15
16	57.8	52.4	25.8	13.4	10.9	12.8	26.3	23.7	16.0	20.8	17.1	16.3	16
17	57.2	50.7	25.2	12.1	14.7	15.1	24.1	22.3	18.8	15.4	15.8	16.3	17
18	56.4	50.1	25.8	12.9	17.7	13.0	25.0	22.4	17.2	15.7	13.2	16.5	18
19	55.0	50.3	25.6	13.0	19.0	15.1	24.1E	23.3	15.8	16.9	14.0	16.6	19
20	54.4	50.2	25.7	14.0	20.5	13.0	23.2E	22.2	16.1	13.5	18.7	16.5	20
21	53.7	50.7	25.9	17.1	20.5	12.4	22.3	22.3	16.8	15.7	16.6	16.1	21
22	52.9	50.4	25.7	15.2	13.2	13.8	25.9	23.5	20.3	13.3	16.8	15.6	22
23	52.0	50.3	25.7	13.3	9.54	16.2	28.3	20.8	20.4	17.0	17.1	15.6	23
24	51.3	49.3	25.8	14.9	11.6	16.5	23.1	19.7	18.8	15.4	16.8	15.6	24
25	50.0	49.2	24.9	18.2	13.2	15.2	22.9	20.9	18.0	16.8	16.8	15.7	25
26	53.8	49.2	25.5	18.5	17.3	15.5	22.3	19.2	17.2	18.5	16.6	15.6	26
27	53.6	48.4	26.5	17.4	19.3	16.6	23.6	19.7	14.7	15.5	16.2	15.4	27
28	52.4	49.3	27.2	18.0	20.4	14.9	28.1	22.1	16.5	16.4	16.4	15.7	28
29	52.9		27.1	16.8	15.5	15.9	27.0	24.5	15.5	17.0	16.9	15.9	29
30	53.9		27.3	16.5	19.6	23.5	22.2	23.9	15.4	18.3	17.1	15.7	30
31	51.8		27.6		17.3		23.8	19.4		19.0		15.5	31
TOTAL	1 785.5	1 501.9	936.1	566.5	514.38	452.07	728.3	663.3	577.2	570.7	508.5	501.2	TOTAL
MEAN	57.6	53.6	30.2	18.9	16.6	15.1	23.5	21.4	19.2	18.4	17.0	16.2	MEAN
MAX	64.6	60.4	49.2	30.3	20.5	23.5	30.5	24.5	28.3	27.7	18.9	16.8	MAX
MIN	50.0	48.4	24.9	12.1	9.34	8.93	17.7	16.9	14.3	13.3	13.2	15.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.5
MAXIMUM DAILY, 64.6 ON JAN 4
MINIMUM DAILY, 8.93 ON JUN 15
MAXIMUM INSTANTANEOUS,
66.0 AT 06:56 CST ON JAN 3

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 00 N
LONG 98 42 15 W
DRAINAGE AREA, 79 300 km²

E - ESTIMATED
REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	154 000	JUL	62 900
FEB	130 000	AUG	57 300
MAR	80 900	SEP	49 900
APR	48 900	OCT	49 300
MAY	44 400	NOV	43 900
JUN	39 100	DEC	43 300

TOTAL DISCHARGE, 804 000 dam³

FALCON LAKE AT FALCON LAKE - STATION NO. 05PD801

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	327.209	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	327.198	---	---	---	---	---	---	9
10	---	---	---	---	327.178	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	327.178	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	327.168	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	327.221	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	327.168	---	---	---	---	---	---	---	19
20	---	---	---	---	327.158	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	327.148	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	327.232	---	---	---	---	---	23
24	---	---	327.140	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	327.168	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	327.168	---	---	---	327.209	327.209	---	---	27
28	---	---	---	327.178	---	---	---	---	---	---	---	---	28
29	---		---	---	327.188	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 45 N
LONG 95 18 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

REGULATED SINCE 1963

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO. 05RD006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	304.189	304.075	303.985	303.934	304.002	304.131	304.618	---	---	304.237	304.289	304.517	1
2	304.174	304.066	303.973	303.934	304.015	304.138	304.629	---	---	304.244	304.292	304.523	2
3	304.163	304.065	303.970	303.929	304.014	304.148	304.630	---	---	304.238	304.295	304.530	3
4	304.156	304.064	303.965	303.924	304.013	304.163	304.642	---	---	304.234	304.312	304.535	4
5	304.166	304.068	303.965	303.930	304.017	304.167	304.651	---	---	304.232	304.312	304.535	5
6	304.166	304.063	303.962	303.932	304.025	304.157	304.660	---	---	304.227	304.317	304.541	6
7	304.156	304.058	303.962	303.938	304.029	304.161	---	---	---	304.225	304.326	304.549	7
8	304.164	304.045	303.959	303.938	304.014	304.168	---	---	---	304.225	304.319	304.551	8
9	304.160	304.039	303.956	303.936	304.015	304.178	---	---	---	304.227	304.342	304.553	9
10	304.157	304.026	303.951	303.936	304.025	304.186	---	---	---	304.233	304.346	304.558	10
11	304.156	304.018	303.950	303.936	304.027	304.192	---	---	---	304.235	304.351	304.570	11
12	304.158	304.016	303.944	303.940	304.030	304.199	---	---	---	304.241	304.371	304.574	12
13	304.159	304.021	303.936	303.941	304.031	304.205	---	---	---	304.255	304.382	304.571	13
14	304.155	304.028	303.940	303.937	304.033	304.210	---	---	---	304.252	304.382	304.572	14
15	304.151	304.038	303.932	303.944	304.004	304.231	---	---	---	304.247	304.390	304.572	15
16	304.148	304.039	303.930	303.946	304.010	304.259	---	---	---	304.251	304.404	304.571	16
17	304.147	304.034	303.920	303.942	304.023	304.290	---	---	---	304.244	304.405	304.567	17
18	304.145	304.030	303.920	303.947	304.031	304.300	---	---	---	304.225	304.406	304.563	18
19	304.141	304.031	303.921	303.947	304.037	304.316	---	---	---	304.238	304.412	304.570	19
20	304.134	304.028	303.918	303.944	304.048	304.329	---	---	---	304.234	304.422	304.575	20
21	304.133	304.024	303.921	303.949	304.051	304.336	---	---	---	304.240	304.434	304.581	21
22	304.134	304.022	303.923	303.948	304.036	304.351	---	---	---	304.238	304.444	304.577	22
23	304.128	304.016	303.912	303.951	304.024	304.366	---	---	---	304.239	304.457	304.570	23
24	304.125	304.012	303.915	303.953	304.044	304.408	---	---	---	304.246	304.463	304.570	24
25	304.118	304.004	303.919	303.958	304.062	304.465	---	---	---	304.239	304.470	304.570	25
26	304.103	303.996	303.927	303.968	304.081	304.501	---	---	---	304.251	304.476	304.566	26
27	304.097	303.999	303.928	303.977	304.091	304.536	---	---	---	304.243	304.486	304.573	27
28	304.095	303.990	303.929	303.984	304.099	304.553	---	---	---	304.249	304.494	304.560	28
29	304.084		303.933	303.988	304.104	304.571	---	---	---	304.259	304.505	304.558	29
30	304.084		303.934	303.995	304.114	304.603	---	---	304.240	304.265	304.513	304.554	30
31	304.087		303.934		304.121		---	---		304.290		304.550	31
MEAN	304.140	304.033	303.940	303.948	304.041	304.294	---	---	---	304.242	304.394	304.559	MEAN
MAX	304.189	304.075	303.985	303.995	304.121	304.603	---	---	---	304.290	304.513	304.581	MAX
MIN	304.084	303.990	303.912	303.924	304.002	304.131	---	---	---	304.225	304.289	304.517	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 95 27 30 W

MINIMUM DAILY, 303.912 ON MAR 23

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05SB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.093A	0.002E	0 A	0 E	0.082A	0.297A	0.203E	---	---	1
2	---	---	0 B	0.083A	0.002E	0 E	0 E	0.073A	0.299A	0.236E	---	---	2
3	---	---	0 B	0.058A	0.002E	0 E	0 E	0.074A	0.301A	0.268E	---	---	3
4	---	---	0 B	0.083A	0.002E	0 E	0 E	0.067A	0.302A	0.301E	---	---	4
5	---	---	0 B	0.083A	0.002E	0 E	0 E	0.201A	0.535A	0.334A	---	---	5
6	---	---	0 B	0.083A	0.002E	0 E	0 E	0.202A	0.514A	0	---	---	6
7	---	---	0 B	0.019A	0.002E	0 E	0 E	0.190A	2.27 A	0	---	---	7
8	---	---	0 B	0.019A	0.002E	0 E	0 E	0.191A	2.27 A	0	---	---	8
9	---	---	0 B	0.014A	0.002E	0 E	0 E	0.180A	2.15 A	0	---	---	9
10	---	---	0 B	0.014A	0.002E	0 E	0 E	0.224A	2.70 A	0	---	---	10
11	---	---	0 B	0.014A	0.002E	0 E	0 E	0.225A	0.281A	0	---	---	11
12	---	---	0.036B	0.014A	0.002E	0 E	0 E	0.226A	0.248A	0	---	---	12
13	---	---	0.073B	0.014A	0.002E	0.011E	0 E	0.228A	0.281A	0	---	---	13
14	---	---	0.090B	0.002E	0.002E	0.023E	0 E	0.231A	0.281A	0	---	---	14
15	---	---	0.108B	0.002E	0.002E	0.034E	0 E	0.232A	0.281A	0	---	---	15
16	---	---	0.125B	0.002E	0.002E	0.047A	0 E	0.234A	0.281A	0	---	---	16
17	---	---	0.143B	0.002E	0.002E	0.051E	0 E	0.235A	0.248A	0	---	---	17
18	---	---	0.134B	0.002E	0.002E	0.057E	0 E	0.209A	0.248A	0	---	---	18
19	---	---	0.125B	0.002E	0.002E	0.063A	0 E	0.211A	0.281A	0	---	---	19
20	---	---	0.116B	0.002E	0.002E	0.063A	0 E	0.212A	0.251E	0	---	---	20
21	---	---	0.107B	0.002E	0.002E	0.065A	0 E	0.214A	0.222E	0	---	---	21
22	---	---	0.098B	0.002E	0.00?E	0.066A	0 E	0.215A	0.193E	0	---	---	22
23	---	---	0.089B	0.002E	0.019A	0.025A	0 E	0.218A	0.164E	0	---	---	23
24	---	---	0.081B	0.002E	0.019A	0.026A	0 E	0.219A	0.135E	0	---	---	24
25	---	---	0.120B	0.002E	0 A	0 E	0 E	0.221A	0.106A	0	---	---	25
26	---	---	0.159B	0.002E	0 A	0 E	0.103A	0.222A	0.106A	0	---	---	26
27	---	---	0.198B	0.002E	0 A	0 E	0.105A	0.225A	0.106A	0	---	---	27
28	---	---	0.236B	0.002E	0 A	0 E	0.097A	0.234A	0.106A	0	---	---	28
29	---		0.323B	0.002E	0 A	0 E	0.088A	0.242A	0.138E	0	---	---	29
30	---		0.406B	0.002E	0 A	0 E	0.089A	0.243A	0.171E	0.552A	---	---	30
31	---		0.236B		0 A		0.091A	0.245A		0.552E		---	31
TOTAL	---	---	3.003	0.625	0.082	0.531	0.573	6.225	15.766	2.446	---	---	TOTAL
MEAN	---	---	0.097	0.021	0.003	0.018	0.018	0.201	0.526	0.079	---	---	MEAN
MAX	---	---	0.406	0.093	0.019	0.066	0.105	0.245	2.70	0.552	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0.067	0.106	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.119
MAXIMUM DAILY, 2.70A ON SEP 10
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 632 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	49.5
FEB	---	AUG	538
MAR	259	SEP	1 360
APR	54.0	OCT	211
MAY	7.08	NOV	---
JUN	45.9	DEC	---

TOTAL DISCHARGE, 2 520 dam³

FISH LAKE NEAR MELEB - STATION NO. 05SB003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	259.944A	259.913A	259.878A	---	259.562	259.590	---	---	1
2	---	---	---	---	---	---	---	---	259.551	259.588	---	---	2
3	---	---	---	---	---	259.913A	259.868A	---	259.533	259.605	---	---	3
4	---	---	---	---	259.938A	---	---	---	259.529	259.625	---	---	4
5	---	---	---	---	---	259.913A	---	---	259.551	259.651A	---	---	5
6	---	---	260.214A	---	259.938A	---	259.849A	---	259.557	---	---	---	6
7	---	---	---	---	---	---	---	---	259.544	---	---	---	7
8	---	---	---	---	259.923A	259.904A	259.839A	---	259.536	259.661A	---	---	8
9	---	---	---	---	---	---	---	---	259.523	---	---	---	9
10	---	---	---	---	---	259.894A	259.819A	---	259.514	---	---	---	10
11	---	---	---	---	259.919A	---	---	---	259.501	---	---	---	11
12	---	---	---	---	---	259.885A	---	---	259.489	---	---	---	12
13	---	---	---	---	259.920A	---	259.810A	---	259.477	---	---	---	13
14	---	---	---	---	---	---	---	---	259.478	---	---	---	14
15	---	---	---	259.942A	259.920A	259.915A	259.800A	---	259.494	---	---	---	15
16	---	---	---	---	---	---	259.780A	---	259.499	---	---	---	16
17	---	---	---	259.942A	---	259.906A	---	---	259.503	---	---	---	17
18	---	---	---	---	259.910A	---	---	---	259.506	---	---	---	18
19	---	---	---	---	---	259.916A	---	259.610A	259.504	---	---	---	19
20	---	---	---	259.943A	259.901A	---	259.721A	259.630	259.502	---	---	---	20
21	---	---	---	---	---	---	---	259.626	259.501	---	---	---	21
22	---	---	---	259.952A	259.891A	259.906A	259.701A	259.610	259.501	---	---	---	22
23	---	---	---	---	---	---	---	259.603	259.506	---	---	---	23
24	---	---	---	259.942A	---	259.907A	259.712A	259.598	259.506	---	---	---	24
25	---	---	---	---	259.922A	---	---	259.589	259.516	---	---	---	25
26	---	---	---	---	---	259.907A	---	259.554	259.558	---	---	---	26
27	---	---	---	259.944A	259.922A	---	259.702A	259.536	259.563	---	---	---	27
28	---	---	---	---	---	---	---	259.519	259.564	---	---	---	28
29	---	---	---	259.942A	259.932A	259.898A	259.683A	259.521	259.569	---	---	---	29
30	---	---	---	---	---	---	---	259.576	259.581	259.878A	---	---	30
31	---	---	---	---	---	---	259.723A	259.574	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	259.528	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	259.581	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	259.477	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 97 19 06 W

A - MANUAL GAUGE

REGULATED SINCE 1965

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUN

FISHER RIVER NEAR DALLAS - STATION NO. 05SD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.430	0.340	0.589E	6.07 B	0.951	1.30	1.14	0.402	1.02	1.56	8.59	1.18	1
2	0.433	0.315	0.544E	5.63 B	0.937	1.16	0.987	0.432	1.88	1.60	8.73	1.13	2
3	0.435	0.291	0.500E	4.72 B	0.939	1.05	0.918	0.440	1.71	1.65	8.33	1.11	3
4	0.435	0.272	0.459E	3.33 B	0.906	0.990	0.863	0.439	1.43	1.84	7.56	1.07	4
5	0.436	0.260	0.419E	3.02 B	0.851	0.953	0.770	0.448	1.30	2.73	6.78	0.998	5
6	0.436	0.248	0.394A	2.65 B	0.841	0.951	0.686	0.581	1.31	3.47	6.03	0.927	6
7	0.436	0.233	0.382	2.32 B	0.807	0.941	0.612	0.627	1.48	3.53	5.31	0.911	7
8	0.415	0.225B	0.377	2.08 B	0.723	0.902	0.565	0.640	1.80	3.39	4.79	0.885	8
9	0.401	0.215B	0.371	1.86	0.859	0.896	0.520	0.657	1.99	3.20	4.05	0.831	9
10	0.379	0.208B	0.372	1.49	0.824	0.911	0.479	0.644	1.96	2.89	3.95	0.794	10
11	0.358	0.210B	0.402	1.32	0.742	0.874	0.467	0.608	1.75	2.77	3.69	0.794	11
12	0.352	0.208B	0.539	1.17	0.720	0.836	0.448	0.597	1.53	2.58	3.50	0.786	12
13	0.337	0.205B	0.668B	0.979	0.667	0.783	0.418	0.602	1.38	2.84	3.65	0.743	13
14	0.331	0.231B	0.981B	0.965	0.643	0.768	0.393	0.552	1.20	3.56	3.64	0.687	14
15	0.323	0.329B	1.51 B	0.929	0.637	1.16	0.460	0.490	1.06	3.60	3.61	0.638	15
16	0.315	0.459E	2.10 B	0.903	0.693	2.16	0.501	0.445	0.971	3.59	3.62	0.598	16
17	0.307	0.567E	2.65 B	0.877	0.715	2.91	0.639	0.407	0.900	3.49	3.60	0.555	17
18	0.304	0.634E	2.73 B	0.926	0.727	4.10	0.570	0.381	0.943	3.50	3.49	0.530	18
19	0.303	0.719E	2.11 B	0.907	0.782	7.50	0.491	0.418	0.940	3.54	2.76	0.496	19
20	0.312	0.777E	1.65 B	0.890	0.755	7.28	0.462	0.712	0.842	3.49	2.20	0.481	20
21	0.326	0.838E	1.41 B	0.890	0.713	6.00	0.484	1.66	0.798	3.43	2.74	0.483	21
22	0.361	0.872E	1.42 B	0.89	0.823	4.71	0.474	2.04	0.757	3.20	2.42	0.507	22
23	0.387	0.838E	1.56 B	1.01	1.24	3.73	0.439	1.85	0.709	2.70	1.99	0.547	23
24	0.425	0.806E	1.73 B	0.972	1.60	3.14	0.409	1.55	0.672	2.60	1.82	0.556	24
25	0.458	0.777E	1.92 B	0.969	2.16	2.50	0.401	1.28	0.688	2.23	1.66	0.555	25
26	0.457	0.748E	2.06 B	0.917	2.44	2.15	0.434	1.04	0.837	2.36	1.57	0.555	26
27	0.438	0.719E	2.46 B	0.892	2.31	1.87	0.428	0.907	1.03	2.36	1.51	0.557	27
28	0.418	0.690E	3.89 B	0.957	1.96	1.60	0.413	0.804	1.26	2.30	1.40	0.557	28
29	0.396		7.00 B	0.937	1.63	1.42	0.378	0.743	1.44	2.42	1.32	0.544	29
30	0.374		8.77 B	0.945	1.74	1.27	0.386	0.696	1.55	2.85	1.24	0.562A	30
31	0.359		8.05 B		1.54		0.413	0.780		5.15		0.560E	31
TOTAL	11.877	13.234	60.017	52.416	33.875	66.815	17.848	23.872	37.137	90.42	115.80	22.127	TOTAL
MEAN	0.383	0.473	1.94	1.75	1.09	2.23	0.550	0.770	1.24	2.92	3.86	0.714	MEAN
MAX	0.458	0.872	8.77	6.07	2.44	7.50	1.14	2.04	1.99	5.15	8.73	1.18	MAX
MIN	0.303	0.205	0.371	0.877	0.637	0.768	0.378	0.381	0.672	1.56	1.24	0.481	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.49
MAXIMUM DAILY, 8.77B ON MAR 30
MINIMUM DAILY, 0.205B ON FEB 13
MAXIMUM INSTANTANEOUS,
9.06 AT 19:14 CST ON NOV 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 20 N
LONG 97 30 50 W
DRAINAGE AREA, 1 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

NONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 030	JUL	1 470
FEB	1 140	AUG	2 060
MAR	5 190	SEP	3 210
APR	4 530	OCT	7 810
MAY	2 930	NOV	10 000
JUN	5 770	DEC	1 910

TOTAL DISCHARGE, 47 100 dam³

FISHING RIVER NEAR FORK RIVER - STATION NO. 05LJ015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.009B	0.006	0.023	0.022	0	0E	0	---	---	1
2	---	---	0 B	0.010B	0.007	0.021	1.42	0	0E	0	---	---	2
3	---	---	0 B	0.013B	0.009	0.018	1.01	0	0E	0.016	---	---	3
4	---	---	0 B	0.015B	0.011	0.016	0.561	0	0E	0.011	---	---	4
5	---	---	0 B	0.017B	0.013	0.014	0.491	0	0E	0.007	---	---	5
6	---	---	0 B	0.020E	0.017	0.011	0.283	0	0E	0.007	---	---	6
7	---	---	0 B	0.017E	0.020	0.010	0.142	0	0E	0.002	---	---	7
8	---	---	0 B	0.014A	0.022	0.011	0.068	0	0E	0.001	---	---	8
9	---	---	0 B	0.010E	0.023	0.012	0.022	0	0A	0	---	---	9
10	---	---	0 B	0.007E	0.023	0.012	0.010	0	0	0	---	---	10
11	---	---	0.001B	0.005E	0.024	0.011	0.003	0	0	0	---	---	11
12	---	---	0.001B	0.004E	0.025	0.010	0	0A	0	0.001	---	---	12
13	---	---	0.002B	0.003E	0.028	0.013	0	0E	0	0.001	---	---	13
14	---	---	0.003B	0.002E	0.030	0.032	0	0E	0	0.006	---	---	14
15	---	---	0.003B	0.001A	0.031	0.064	0	0E	0	0.001	---	---	15
16	---	---	0.002B	0 E	0.030	0.035	0	0E	0	0.001	---	---	16
17	---	---	0.001B	0	0.029	0.033	0	0E	0	0.007	---	---	17
18	---	---	0.001B	0.001	0.029	0.132	0	0E	0	0.005	---	---	18
19	---	---	0.001B	0.001	0.028	0.178	0	0E	0	0.001	---	---	19
20	---	---	0.001B	0.001	0.028	0.068	0	0E	0	0.004	---	---	20
21	---	---	0.001B	0.002	0.026	0.043	0	0E	0	0.005	---	---	21
22	---	---	0.001B	0.001	0.049	0.072	0	0E	0	0.010	---	---	22
23	---	---	0.001B	0.001	0.070	0.568	0	0E	0	0.007	---	---	23
24	---	---	0.006B	0.003	0.078	1.90	0	0E	0	0.006	---	---	24
25	---	---	0.005B	0.004	0.072	0.824	0	0E	0	0.006	---	---	25
26	---	---	0.005B	0.004	0.063	0.327	0	0E	0	0.005	---	---	26
27	---	---	0.004B	0.005	0.040	0.138	0	0E	0	0.006	---	---	27
28	---	---	0.005B	0.005	0.039	0.050	0	0E	0	0.005	---	---	28
29	---		0.006B	0.005	0.038	0.034	0	0E	0	0.006	---	---	29
30	---		0.007B	0.007	0.034	0.021	0	0E	0	0.013	---	---	30
31	---		0.008B		0.028		0	0E		0.012		---	31
TOTAL	---	---	0.065	0.187	0.970	4.701	4.032	0	0	0.152	---	---	TOTAL
MEAN	---	---	0.002	0.006	0.031	0.157	0.130	0	0	0.005	---	---	MEAN
MAX	---	---	0.008	0.020	0.078	1.90	1.42	0	0	0.016	---	---	MAX
MIN	---	---	0	0	0.006	0.010	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.041
MAXIMUM DAILY, 1.90 ON JUN 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.51 AT 00:56 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 57 N
LONG 100 02 26 W
DRAINAGE AREA, 262 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	0
MAR	5.62	SEP	0
APR	16.2	OCT	13.1
MAY	83.8	NOV	---
JUN	406	DEC	---

TOTAL DISCHARGE, 873 dam³

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05TF001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.620	243.540	243.416A	---	243.066	243.211	---	---	243.582	242.214	241.999	242.077	1
2	---	243.532	243.415	---	243.070	243.219	---	---	243.545	242.184	241.993	242.077	2
3	---	243.521	243.405	---	243.076	243.230	---	---	243.537	242.155	241.987	242.081	3
4	---	243.514	243.393	---	243.090	243.245	---	---	243.522	242.129	241.973	242.079	4
5	---	243.516	243.379	---	243.118	243.270	---	---	243.485	242.108	241.979	242.077	5
6	---	243.510	243.377	---	243.159	243.275	---	---	243.449	242.080	241.986	242.076	6
7	---	243.504	243.373	---	243.224	243.296	---	---	243.410	242.058	241.998	242.084	7
8	---	243.491	243.368	---	243.288	243.321	---	---	243.378	242.032	242.010	242.087	8
9	---	243.481	243.361	243.336A	243.348	243.334	---	---	243.346	242.002	242.015	242.078	9
10	---	243.470A	243.358	243.334	243.393	243.352	---	243.679A	243.316	242.001	242.018	242.077	10
11	243.718A	---	243.351	243.336	243.425	243.376	---	243.668	243.284	241.998	242.022	242.089	11
12	243.727	---	243.343	243.338	243.450	243.400	---	243.665	243.241	241.995	242.027	242.084	12
13	243.735	---	243.340	243.335	243.461	243.425	243.690A	243.657	243.189	242.001	242.033	242.084	13
14	243.727	---	243.335	243.332	243.452	243.444	243.684	243.651	243.136	242.004	242.036	242.073	14
15	243.718	---	243.322	243.330	243.446	243.465	243.677	243.654	243.090	242.010	242.039	242.060A	15
16	243.720	---	243.311	243.312	243.428	243.480	243.675	243.652	243.056	242.016	242.048	---	16
17	243.712	---	243.310	243.295	243.411	243.487	243.684	243.650	243.018	242.019	242.054	---	17
18	243.700	---	243.314	243.277	243.390	243.517	243.685	243.649	242.957	242.027	242.054	---	18
19	243.692	---	243.314	243.255	243.366	243.536	243.669	243.652	242.883	242.024	242.049	---	19
20	243.685	---	243.310	243.240	243.347	243.563	243.675	243.649	242.792	242.023	242.053	---	20
21	243.676	---	243.312	243.229	243.318	243.580	243.676	243.658	242.713	242.029	242.055	---	21
22	243.654	---	243.312	243.214	243.282	243.590	243.674	243.656	242.640	242.022	242.061	---	22
23	243.639	---	243.309	243.194	243.262	243.593	243.669	243.655	242.584	242.022	242.069	---	23
24	243.628	---	243.308	243.173	243.238	243.601	243.691	243.659	242.518	242.005	242.073	---	24
25	243.615	---	243.310	243.153	243.212	243.625	243.691	243.659	242.456	242.003	242.079	---	25
26	243.599	---	243.310	243.140	243.192	243.635	243.696	243.660	242.396	241.990	242.079	---	26
27	243.594	---	243.307A	243.125	243.167	243.640	---	243.668	242.358	241.988	242.079	---	27
28	243.576	---	---	243.105	243.163	243.648A	---	243.669	242.321	241.987	242.082	---	28
29	243.568		---	243.091	243.161	---	---	243.647	242.282	241.985	242.081	---	29
30	243.564		---	243.076	243.176	---	---	243.613	242.246	241.985	242.079	---	30
31	243.554		---		243.197		---	243.596		241.993		---	31
MEAN	---	---	---	---	243.270	---	---	---	242.991	242.035	242.037	---	MEAN
MAX	---	---	---	---	243.461	---	---	---	243.582	242.214	242.082	---	MAX
MIN	---	---	---	---	243.066	---	---	---	242.246	241.985	241.973	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 241.973 ON NOV 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

REGULATED SINCE 1976

DRAINAGE AREA,
1 440 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 05TF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.92E	2.27B	1.84	1.54	1.40	7.74	2.91	1.17	0.407	0.297	0.478	0.567B	1
2	3.82E	2.24B	1.87	1.53	1.48	7.45	2.98	1.06	0.416	0.266	0.485	0.570B	2
3	3.70E	2.22B	1.84	1.56	1.56	7.48	2.76	1.07	0.587	0.259	0.484	0.573B	3
4	3.61E	2.21B	1.84	1.48	1.67	7.29	2.85	1.10	0.445	0.325	0.480	0.576B	4
5	3.49E	2.19B	1.86	1.45	1.83	7.51	2.75	1.15	0.472	0.322	0.480	0.579B	5
6	3.40E	2.17B	1.87	1.48	2.06	7.28	2.60	1.13	0.530	0.297	0.479	0.581B	6
7	3.33E	2.14B	1.82	1.46	2.96	7.04	2.65	1.16	0.566	0.296	0.482	0.584B	7
8	3.23E	2.13B	1.77	1.42	3.82	6.97	2.16	1.13	0.554	0.294	0.484	0.587B	8
9	3.16E	2.11B	1.84	1.42	4.67	6.84	1.86	1.03	0.521	0.340	0.482	0.590B	9
10	3.09B	2.09B	1.84	1.46	5.44	6.55	2.13	0.993	0.467	0.367	0.490	0.593B	10
11	2.95B	2.08B	1.74	1.44	6.32	6.42	2.05	0.981	0.431	0.339	0.497	0.593B	11
12	2.88B	2.06B	1.75	1.44	7.03	6.00	2.02	0.962	0.419	0.342	0.501	0.596B	12
13	2.83B	2.05B	1.76	1.44	8.51	5.83	2.00	0.880	0.408	0.395	0.505	0.599B	13
14	2.80B	2.03B	1.73	1.45	9.48	5.44	1.98	0.841	0.410	0.401	0.512	0.599B	14
15	2.75B	2.02B	1.70	1.45	9.85	5.26	1.93	0.761	0.399	0.406	0.517	0.602B	15
16	2.70B	2.01B	1.68	1.46	10.1	5.12	1.91	0.692	0.383	0.404	0.527	0.602B	16
17	2.65B	1.96	1.59	1.43	10.9	5.32	1.71	0.744	0.364	0.425	0.530	0.605B	17
18	2.62B	1.98	1.62	1.38	10.9	5.19	1.58	0.715	0.361	0.472	0.536	0.608B	18
19	2.57B	1.93	1.62	1.36	11.4	4.30	1.64	0.714	0.346	0.471	0.530	0.610B	19
20	2.54B	1.93	1.61	1.35	11.6	4.35	1.60	0.711	0.349	0.466	0.535	0.613B	20
21	2.51B	1.89	1.60	1.34	11.6	4.43	1.50	0.676	0.343	0.463	0.537	0.613B	21
22	2.49B	1.87	1.60	1.35	11.5	4.14	1.43	0.652	0.325	0.477	0.537	0.616B	22
23	2.46B	1.91	1.57	1.34	10.8	3.88	1.56	0.652	0.324	0.466	0.535	0.619B	23
24	2.45B	1.88	1.60	1.30	10.4	4.00	1.80	0.627	0.320	0.466	0.537	0.619B	24
25	2.43B	1.89	.61	1.26	10.2	3.97	1.55	0.622	0.326	0.468	0.537	0.622B	25
26	2.40B	1.94	1.55	1.28	9.82	3.72	1.47	0.608	0.362	0.457	0.536	0.622B	26
27	2.38B	1.93	1.53	1.27	9.80	3.61	1.38	0.595	0.462	0.465	0.543	0.625B	27
28	2.35B	1.86	1.56	1.28	9.29	3.45	1.34	0.500	0.363	0.471	0.552B	0.628B	28
29	2.33B		1.59	1.31	9.22	3.20	1.39	0.364	0.338	0.477	0.558B	0.628B	29
30	2.32B		1.56	1.35	8.42	2.88	1.31	0.441	0.314	0.474	0.564B	0.631B	30
31	2.30B		1.55		8.08		1.28	0.517		0.485		0.631B	31
TOTAL	88.46	56.99	52.51	42.08	232.11	162.66	60.08	25.248	12.312	12.353	15.450	18.681	TOTAL
MEAN	2.85	2.04	1.69	1.40	7.49	5.42	1.94	0.814	0.410	0.398	0.515	0.603	MEAN
MAX	3.92	2.27	1.87	1.56	11.6	7.74	2.98	1.17	0.587	0.485	0.564	0.631	MAX
MIN	2.30	1.86	1.53	1.26	1.40	2.88	1.28	0.364	0.314	0.259	0.478	0.567	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.13
MAXIMUM DAILY, 11.6 ON MAY 20
MINIMUM DAILY, 0.259 ON OCT 3
MAXIMUM INSTANTANEOUS,
12.0 AT 21:00 CST ON MAY 21

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 50 N
LONG 98 53 10 W
DRAINAGE AREA, 598 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 640	JUL	5 190
FEB	4 920	AUG	2 180
MAR	4 540	SEP	1 060
APR	3 640	OCT	1 070
MAY	20 100	NOV	1 330
JUN	14 100	DEC	1 610

TOTAL DISCHARGE, 67 400 dam³

FORK RIVER AT ETHELBERT - STATION NO. 05LJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.058B	0.229	0.085	0.218	0.001E	0.395	0.226	---	---	1
2	---	---	0 B	0.056B	0.238	0.080	2.86	0 E	0.240	0.194	---	---	2
3	---	---	0 B	0.054B	0.280	0.072	1.49	0 E	0.154	0.178	---	---	3
4	---	---	0 B	0.051B	0.300	0.083	1.03	0 E	0.124	0.158	---	---	4
5	---	---	0 B	0.070B	0.284	0.070	0.698	0 E	0.113	0.148	---	---	5
6	---	---	0 B	0.090B	0.288	0.065	0.762	0 E	0.097	0.136	---	---	6
7	---	---	0 B	0.092B	0.304	0.061	0.627	0 E	0.080	0.116	---	---	7
8	---	---	0 B	0.070B	0.224	0.058	0.435	0 E	0.076	0.107	---	---	8
9	---	---	0 B	0.072	0.187	0.068	0.312	0 E	0.068	0.097	---	---	9
10	---	---	0 B	0.057	0.190	0.073	0.240	0 E	0.056	0.091	---	---	10
11	---	---	0 B	0.047	0.187	0.062	0.190	0 E	0.048	0.082	---	---	11
12	---	---	0.005B	0.041	0.185	0.060	0.166	0 E	0.035	0.128	---	---	12
13	---	---	0.005B	0.037	0.202	0.057	0.115	0 E	0.026	0.142	---	---	13
14	---	---	0.006B	0.034	0.207	0.138	0.085	0 E	0.022	0.174	---	---	14
15	---	---	0.006B	0.027	0.194	0.690	0.109	0 E	0.019	0.152	---	---	15
16	---	---	0.006B	0.016	0.182	0.806	0.150	0 E	0.023	0.152	---	---	16
17	---	---	0.006B	0.043	0.158	0.842	0.111	0 E	0.020	0.152	---	---	17
18	---	---	0.005B	0.044	0.142	0.900	0.076	0 E	0.028	0.146	---	---	18
19	---	---	0.004B	0.085	0.120	1.11	0.060	0 E	0.028	0.150	---	---	19
20	---	---	0.003B	0.068	0.115	0.971	0.042	0 E	0.024E	0.126	---	---	20
21	---	---	0.003B	0.070	0.107	0.833	0.033	0.002E	0.022E	0.106	---	---	21
22	---	---	0.003B	0.064	0.091	0.698	0.023	0.102E	0.021E	0.091	---	---	22
23	---	---	0.003B	0.086	0.130	0.543	0.014	2.47	0.019E	0.089	---	---	23
24	---	---	0.004B	0.088	0.150	0.508	0.013	0.585	0.019E	0.086	---	---	24
25	---	---	0.011B	0.178	0.126	0.395	0.013	0.268	0.017E	0.078	---	---	25
26	---	---	0.040B	0.174	0.109	0.380	0.008	0.202	0.073	0.072	---	---	26
27	---	---	0.050B	0.138	0.116	0.324	0.005	0.142	0.111	0.070	---	---	27
28	---	---	0.054B	0.142	0.126	0.304	0.002	0.106	0.091	0.072	---	---	28
29	---		0.058B	0.152	0.132	0.368	0.002	0.071	0.073	0.079	---	---	29
30	---		0.059B	0.192	0.109	0.212	0.002E	0.050	0.215	0.122	---	---	30
31	---		0.060B		0.094		0.001E	2.60		0.128		---	31
TOTAL	---	---	0.391	2.396	5.506	10.916	9.892	6.599	2.337	3.848	---	---	TOTAL
MEAN	---	---	0.013	0.080	0.178	0.364	0.319	0.213	0.078	0.124	---	---	MEAN
MAX	---	---	0.060	0.192	0.304	1.11	2.86	2.60	0.395	0.226	---	---	MAX
MIN	---	---	0	0.016	0.091	0.057	0.001	0	0.017	0.070	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.171
MAXIMUM DAILY, 2.86 ON JUL 2
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 31 20 N
LONG 100 23 30 W
DRAINAGE AREA, 258 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	855
FEB	---	AUG	570
MAR	33.8	SEP	202
APR	207	OCT	332
MAY	476	NOV	---
JUN	943	DEC	---

TOTAL DISCHARGE, 3 620 dam³

GAINSBOROUGH CREEK NEAR LYLETON - STATION NO. 05NF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0 B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0 B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0 B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0 B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0 B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0	0	0	0	0	0	0	0	---	---	17
18	---	0.001B	0	0	0	0	0	0	0	0	---	---	18
19	---	0.001B	0	0	0	0	0	0	0	0	---	---	19
20	---	0.002B	0	0	0	0	0	0	0	0	---	---	20
21	---	0.003B	0	0	0	0	0	0	0	0	---	---	21
22	---	0.005B	0	0	0	0	0	0	0	0	---	---	22
23	---	0.005B	0	0	0	0	0	0	0	0	---	---	23
24	---	0.004B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.004B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.005B	0	0	0	0	0	0	0	0	---	---	26
27	---	0.006B	0	0	0	0	0	0	0	0	---	---	27
28	---	0.003B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	0.039	0.006	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.006	0.002	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002B ON MAR 1
MINIMUM DAILY, 0B ON MAR 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 130 km²

B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	3.37	AUG	0
MAR	0.52	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.52 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

GARLAND RIVER NEAR DUCK RIVER - STATION NO. 05LG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.876B	0.976	0.587	0.823	0.024	0.035	0.253	---	---	1
2	---	---	0 B	0.822B	1.02	0.575	0.769	0.103	0.024	0.313	---	---	2
3	---	---	0 B	0.814B	1.00	0.526	0.911	0.181	0.022	0.332	---	---	3
4	---	---	0 B	0.924B	1.05	0.467	1.20	0.170	0.028	0.323	---	---	4
5	---	---	0 B	1.07 B	1.16	0.430	0.931	0.317	0.028	0.308	---	---	5
6	---	---	0 B	1.13 B	1.16	0.368	0.620	0.221	0.025	0.255	---	---	6
7	---	---	0 B	1.06 B	1.19	0.344	0.468	0.155	0.022	0.217	---	---	7
8	---	---	0 B	0.956B	1.21	0.342	0.365	0.183	0.017	0.184	---	---	8
9	---	---	0 B	0.853B	1.12	0.325	0.243	0.216	0.017	0.161	---	---	9
10	---	---	0 B	0.783B	1.02	0.316	0.143	0.177	0.018	0.163	---	---	10
11	---	---	0 B	0.760B	0.935	0.263	0.101	0.124	0.018	0.143	---	---	11
12	---	---	0.002B	0.737B	0.840	0.237	0.074	0.074	0.016	0.129	---	---	12
13	---	---	0.004B	0.721B	0.780	0.201	0.058	0.063	0.013	0.127	---	---	13
14	---	---	0.007B	0.713B	0.737	0.257	0.037	0.035	0.011	0.167	---	---	14
15	---	---	0.010B	0.713B	0.705	0.696	0.021	0.033	0.009	0.173	---	---	15
16	---	---	0.010B	0.705B	0.662	1.15	0.026	0.023	0.007	0.344	---	---	16
17	---	---	0.010B	0.705B	0.641	2.91	0.025	0.020	0.006	0.375	---	---	17
18	---	---	0.010B	0.698B	0.619	3.34	0.029	0.021	0.006	0.377	---	---	18
19	---	---	0.010B	0.690B	0.576	2.93	0.031	0.029	0.005	0.347	---	---	19
20	---	---	0.010B	0.690B	0.508	3.00	0.063	0.027	0.005	0.343	---	---	20
21	---	---	0.010B	0.682B	0.486	2.37	0.048	0.027	0.005	0.343	---	---	21
22	---	---	0.010B	0.682B	0.471	2.42	0.031	0.026	0.004	0.325	---	---	22
23	---	---	0.010B	0.674B	0.502	2.93	0.022	0.021	0.004	0.291	---	---	23
24	---	---	0.015B	0.690B	0.534	3.28	0.017	0.016	0.003	0.260	---	---	24
25	---	---	0.025B	0.729B	0.535	3.03	0.015	0.012	0.003	0.123	---	---	25
26	---	---	0.047B	0.765	0.626	2.56	0.011	0.029	0.008	0.078A	---	---	26
27	---	---	0.096B	0.847	0.755	2.11	0.006	0.049	0.041	0.148E	---	---	27
28	---	---	0.184B	0.872	0.684	1.67	0.004	0.053	0.067	0.242A	---	---	28
29	---		0.297B	0.906	0.611	1.35	0.003	0.039	0.050	0.246E	---	---	29
30	---		0.437B	0.944	0.528	1.03	0.004	0.037	0.038	0.226E		---	30
31	---		0.623B		0.526		0.003	0.089		0.208E		---	31
TOTAL	---	---	1.827	24.211	24.167	41.974	7.102	2.594	0.555	7.524	---	---	TOTAL
MEAN	---	---	0.059	0.807	0.780	1.40	0.229	0.084	0.019	0.243	---	---	MEAN
MAX	---	---	0.623	1.13	1.21	3.34	1.20	0.317	0.067	0.377	---	---	MAX
MIN	---	---	0	0.674	0.471	0.201	0.003	0.012	0.003	0.078	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.449
MAXIMUM DAILY, 3.34 ON JUN 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.51 AT 02:26 CST ON JUN 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 08 N
LONG 100 14 58 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	614
FEB	---	AUG	224
MAR	158	SEP	48.0
APR	2 090	OCT	650
MAY	2 090	NOV	---
JUN	3 630	DEC	---

TOTAL DISCHARGE, 9 500 dam³

GAUER RIVER BELOW THORSTEINSON LAKE - STATION NO. 06FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.3B	18.4B	16.1B	14.5B	13.6B	83.6	52.6	27.4	15.6	12.5	10.3 B	9.33B	1
2	25.6B	18.3B	16.0B	14.4B	13.7B	82.6	52.1	27.7	14.8	14.2	10.3 B	9.33B	2
3	25.0B	18.2B	16.0B	14.4B	14.0B	82.2	51.7	25.1	11.6	10.9	10.2 B	9.33B	3
4	24.3B	18.1B	16.0B	14.3B	14.4B	81.3	50.3	25.0	15.3	9.40	10.2 B	9.27B	4
5	23.4B	18.0B	15.9B	14.3B	14.9B	78.5	46.5	24.6	15.6	9.27	10.2 B	9.27B	5
6	23.1B	17.9B	15.9B	14.3B	16.1B	75.7	49.0	24.9	14.5	9.38	10.2 B	9.21B	6
7	22.5B	17.8B	15.8B	14.2B	20.7B	74.2	47.9	24.4	12.5	10.5	10.2 B	9.21B	7
8	22.0B	17.7B	15.7B	14.2B	30.5B	73.5	48.6	22.4	14.4	10.6	10.2 B	9.21B	8
9	21.5B	17.6B	15.6B	14.2B	39.6B	71.1	44.6	24.3	14.1	10.5	10.1 B	9.15B	9
10	21.3B	17.5B	15.5B	14.2B	51.9B	70.0	46.3	24.9	14.4	8.76	10.1 B	9.15B	10
11	21.2B	17.4B	15.4B	14.2B	65.4B	73.6	47.0	20.1	13.8	8.85	10.0 B	9.09B	11
12	21.0B	17.3B	15.4B	14.1B	78.3	73.4	45.5	21.3	13.0	8.42	9.94B	9.09B	12
13	21.0B	17.2B	15.3B	14.1B	86.2	73.0	44.0	22.5	11.6	8.52	9.87B	9.04B	13
14	20.8B	17.1B	15.2B	14.1B	92.0	73.6	41.9	19.3	13.3	10.5	9.87B	9.04B	14
15	20.7B	17.0B	15.1B	14.1B	92.0	71.5	39.0	22.0	12.7	10.9	9.80B	8.98B	15
16	20.4B	16.9B	15.1B	14.0B	92.0	67.9	38.0	20.3	14.3	12.7	9.72B	8.98B	16
17	20.2B	16.9B	15.1B	14.0B	92.0	64.3	37.1	19.8	14.8	11.1	9.65B	8.98B	17
18	20.1B	16.8B	15.1B	13.9B	89.1	62.3	37.7	22.2	11.6	11.0 B	9.65B	8.92B	18
19	20.0B	16.8B	15.0B	13.9B	86.2	65.0	35.6	19.8	13.2	11.0 B	9.65B	8.92B	19
20	19.9B	16.8B	15.0B	13.8B	84.0	64.8	32.4	19.8	13.4	10.9 B	9.57B	8.92B	20
21	19.8B	16.8B	15.0B	13.8B	84.0	65.0	33.3	18.9	13.7	10.9 B	9.57B	8.92B	21
22	19.7B	16.8B	15.0B	13.8B	84.0	64.2	31.6	17.9	13.6	10.8 B	9.50B	8.92B	22
23	19.6B	16.7B	14.9B	13.7B	84.0	64.5	30.6	16.4	12.6	10.8 B	9.50B	8.92B	23
24	19.4B	16.6B	14.9B	13.7B	84.0	58.6	28.9	16.6	11.8	10.7 B	9.50B	8.86B	24
25	19.3B	16.5B	14.8B	13.7B	84.0	58.5	28.0	17.5	13.2	10.7 B	9.44B	8.86B	25
26	19.2B	16.4B	14.8B	13.6B	86.2	57.5	29.3	15.4	9.71	10.6 B	9.44B	8.86B	26
27	19.1B	16.3B	14.7B	13.6B	84.0	54.5	31.1	15.9	9.01	10.6 B	9.44B	8.86B	27
28	19.0B	16.2B	14.7B	13.6B	84.6	54.9	31.1	17.5	12.0	10.5 B	9.38B	8.86B	28
29	18.8B		14.6B	13.5B	81.2	56.2	27.8	14.6	11.7	10.5 B	9.38B	8.86B	29
30	18.7B		14.6B	13.5B	81.4	56.1	29.1	13.4	11.8	10.4 B	9.33B	8.86B	30
31	18.6B		14.5B		85.0		27.4	12.3		10.4 B		8.86B	31
TOTAL	651.5	482.0	472.7	419.7	2 009.0	2 052.1	1 216.0	634.2	393.62	326.80	294.20	280.06	TOTAL
MEAN	21.0	17.2	15.2	14.0	64.8	68.4	39.2	20.5	13.1	10.5	9.81	9.03	MEAN
MAX	26.3	18.4	16.1	14.5	92.0	83.6	52.6	27.7	15.6	14.2	10.3	9.33	MAX
MIN	18.6	16.2	14.5	13.5	13.6	56.5	27.4	12.3	9.01	8.42	9.33	8.86	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.3
MAXIMUM DAILY, 92.0 ON MAY 14
MINIMUM DAILY, 8.42 ON OCT 12
MAXIMUM INSTANTANEOUS,
92.1 AT 21:00 CST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 21 00 N
LONG 97 35 52 W
DRAINAGE AREA, 5 960 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	56 300	JUL	105 000
FEB	41 600	AUG	54 800
MAR	40 800	SEP	34 000
APR	36 300	OCT	28 200
MAY	174 000	NOV	25 400
JUN	177 000	DEC	24 200

TOTAL DISCHARGE, 798 000 dam³

GIMBY CREEK NEAR CARTWRIGHT - STATION NO. 05OA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.050B	0.062A	0.017	0.055	---	---	---	---	---	---	1
2	---	0 B	0.048B	0.060A	0.016	0.053	---	---	---	---	---	---	2
3	---	0 B	0.046B	0.060A	0.014	0.050	---	---	---	---	---	---	3
4	---	0 B	0.044B	0.058A	0.015	0.048	---	---	---	---	---	---	4
5	---	0 B	0.042B	0.055A	0.016	0.046	---	---	---	---	---	---	5
6	---	0 B	0.040B	0.056A	0.017	0.042	---	---	---	---	---	---	6
7	---	0 B	0.038B	0.052A	0.017	0.040	---	---	---	---	---	---	7
8	---	0 B	0.037B	0.045A	0.017	0.038	---	---	---	---	---	---	8
9	---	0 B	0.036B	0.038A	0.018	0.037	---	---	---	---	---	---	9
10	---	0 B	0.036B	0.036A	0.017	0.034	---	---	---	---	---	---	10
11	---	0 B	0.038B	0.030A	0.018	0.032	---	---	---	---	---	---	11
12	---	0 B	0.040B	0.026A	0.018	0.029	---	---	---	---	---	---	12
13	---	0 B	0.080B	0.024A	0.018	0.028	---	---	---	---	---	---	13
14	---	0 B	0.086B	0.026A	0.018	0.027	---	---	---	---	---	---	14
15	---	0 B	0.092B	0.020A	0.019	0.027	---	---	---	---	---	---	15
16	---	0 B	0.090B	0.017A	0.019	0.025	---	---	---	---	---	---	16
17	---	0 B	0.146B	0.017A	0.019	0.025	---	---	---	---	---	---	17
18	---	0 B	0.079B	0.018A	0.019	0.024	---	---	---	---	---	---	18
19	---	0 B	0.097B	0.016A	0.020	0.024	---	---	---	---	---	---	19
20	---	0.500B	0.216B	0.011A	0.020	0.022	---	---	---	---	---	---	20
21	---	0.800B	0.210B	0.015A	0.021	0.026	---	---	---	---	---	---	21
22	---	0.900B	0.066B	0.014A	0.023	0.027	---	---	---	---	---	---	22
23	---	1.00 B	0.045B	0.015A	0.025	0.026	---	---	---	---	---	---	23
24	---	1.19 B	0.044A	0.015A	0.033	0.024	---	---	---	---	---	---	24
25	---	0.852B	0.080A	0.013A	0.046	0.022	---	---	---	---	---	---	25
26	---	0.650B	0.070A	0.015A	0.050	0.020	---	---	---	---	---	---	26
27	---	0.450B	0.058A	0.015A	0.045	0.019	---	---	---	---	---	---	27
28	---	0.250B	0.065A	0.015A	0.040	0.016	---	---	---	---	---	---	28
29	---		0.064A	0.014A	0.052	0.014	---	---	---	---	---	---	29
30	---		0.060A	0.018	0.065	0.011	---	---	---	---	---	---	30
31	---		0.061A		0.059		---	---		---		---	31
TOTAL	---	6.592	2.204	0.876	0.811	0.911	---	---	---	---	---	---	TOTAL
MEAN	---	0.235	0.071	0.029	0.026	0.030	---	---	---	---	---	---	MEAN
MAX	---	1.19	0.216	0.062	0.065	0.055	---	---	---	---	---	---	MAX
MIN	---	0	0.036	0.011	0.014	0.011	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.039
MAXIMUM DAILY, 0.216B ON MAR 20
MINIMUM DAILY, 0.011A ON APR 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 99 21 00 W
DRAINAGE AREA, 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	570	AUG	---
MAR	190	SEP	---
APR	75.7	OCT	---
MAY	70.1	NOV	---
JUN	78.7	DEC	---

TOTAL DISCHARGE, 415 dam³

GLENELLA DRAIN NEAR GLENELLA - STATION NO. 05LL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.774B	0.352	0.526	0.222	0.030	0.008	0	---	---	1
2	---	---	0 B	0.725	0.311	0.483	0.206	0.034	0.008E	0	---	---	2
3	---	---	0 B	0.602	0.306	0.446	0.180	0.024	0.008E	0.012	---	---	3
4	---	---	0 B	0.488	0.323	0.411	0.147	0.020	0.007E	0.038	---	---	4
5	---	---	0 B	0.444	0.317	0.400	0.128	0.037	0.007E	0.048	---	---	5
6	---	---	0 B	0.474	0.297	0.375	0.116	0.077	0.007E	0.054	---	---	6
7	---	---	0 B	0.439	0.280	0.355	0.099	0.105	0.007E	0.067	---	---	7
8	---	---	0 B	0.355	0.268	0.316	0.094	0.141	0.007E	0.082	---	---	8
9	---	---	0 B	0.310	0.260	0.313	0.076	0.128	0.007E	0.076	---	---	9
10	---	---	0.003B	0.285	0.237	0.297	0.145	0.117	0.007E	0.070	---	---	10
11	---	---	0.007B	0.205	0.227	0.248	0.147	0.095	0.007A	0.063	---	---	11
12	---	---	0.032B	0.232	0.221	0.240	0.105	0.083	0.006E	0.073	---	---	12
13	---	---	0.059B	0.201	0.214	0.233	0.083	0.071	0.006E	0.089	---	---	13
14	---	---	0.092B	0.168	0.213	0.227	0.070	0.065	0.006E	0.099	---	---	14
15	---	---	0.151B	0.147	0.201	0.239	0.066	0.058	0.006E	0.206	---	---	15
16	---	---	0.256B	0.155	0.198	0.338	0.077	0.046	0.005E	0.197	---	---	16
17	---	---	0.289B	0.169	0.186	0.461	0.124	0.045	0.018	0.184	---	---	17
18	---	---	0.337B	0.165	0.176	0.454	0.170	0.034	0.007	0.135	---	---	18
19	---	---	0.389B	0.127	0.163	0.465	0.145	0.032	0	0.123	---	---	19
20	---	---	0.424B	0.101	0.158	0.480	0.121	0.035	0	0.131	---	---	20
21	---	---	0.462B	0.111	0.151	0.419	0.096	0.031	0	0.126	---	---	21
22	---	---	0.494B	0.127	0.157	0.367	0.082	0.021	0	0.119B	---	---	22
23	---	---	0.523B	0.166	0.217	0.329	0.070	0.022	0	0.112B	---	---	23
24	---	---	0.575B	0.133	0.368	0.329	0.068	0.015	0	0.109B	---	---	24
25	---	---	0.606B	0.130	0.415	0.336	0.059	0.017	0.004	0.101B	---	---	25
26	---	---	0.627B	0.139	0.472	0.379	0.044	0.012	0.012	0.097B	---	---	26
27	---	---	0.676B	0.129	0.480	0.351	0.038	0.007	0	0.090	---	---	27
28	---	---	0.718B	0.216	0.430	0.316	0.037	0.005	0	0.091	---	---	28
29	---		0.762B	0.339	0.437	0.267	0.032	0.004	0	0.095	---	---	29
30	---		0.792B	0.327	0.533	0.229	0.036	0.012	0	0.094	---	---	30
31	---		0.819B		0.587		0.038	0.021		0.103		---	31
TOTAL	---	---	9.093	8.383	9.153	10.629	3.121	1.444	0.150	2.884	---	---	TOT
MEAN	---	---	0.293	0.279	0.295	0.354	0.101	0.047	0.005	0.093	---	---	MEA
MAX	---	---	0.819	0.774	0.587	0.526	0.222	0.141	0.018	0.206	---	---	MAX
MIN	---	---	0	0.101	0.151	0.227	0.032	0.004	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.183
MAXIMUM DAILY, 0.819B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.867 AT 00:00 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 09 23 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	270
FEB	---	AUG	125
MAR	786	SEP	13.0
APR	724	OCT	249
MAY	791	NOV	---
JUN	918	DEC	---

TOTAL DISCHARGE, 3 880 dam³

GODS LAKE AT GODS LAKE NARROWS - STATION NO. 04AC001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	---	---	---	179.267	179.374	179.408	179.407	179.340	179.390	179.512	
2	---	---	---	---	---	179.266	179.375	179.405	179.397	179.339	179.400	179.519	
3	---	---	---	---	---	179.270	179.380	179.403	179.387	179.324	179.412	179.527	
4	---	---	---	---	---	179.268	179.382	179.406	179.380	179.346	179.420	179.530	
5	---	---	---	---	---	179.280	179.383	179.407	179.380	179.347	179.420	179.527	
6	---	---	---	---	---	179.278	179.386	179.409	179.384	179.347	179.410	179.541	
7	---	---	---	---	---	179.278	179.395	179.407	179.383	179.349	179.420	179.541	
8	---	---	---	---	---	179.276	179.410	179.424	179.376	179.353	179.429	179.542	
9	---	---	---	---	---	179.273	179.374	179.413	179.372	179.368	179.422	179.536A	
10	---	---	---	---	---	179.270	179.381	179.409	179.372	179.355	179.443	---	1
11	---	---	---	---	---	179.273	179.384	179.406	179.363	179.342	179.436	---	1
12	---	---	---	---	---	179.273	179.384	179.419	179.364	179.360	179.444	---	1
13	179.359A	---	---	---	---	179.277	179.384	179.405	179.365	179.370	179.436	---	1
14	---	---	---	---	---	179.281	179.386	179.406	179.363	179.365	179.439	---	1
15	---	---	---	---	---	179.295	179.390	179.406	179.360	179.373	179.449	---	1
16	---	---	---	---	179.239	179.290	179.395	179.389	179.352	179.378	179.487	---	1
17	---	---	---	---	179.241	179.303	179.385	179.395	179.335	179.399	179.496	---	1
18	---	---	---	---	179.244	179.364	179.370	179.395	179.347	179.391	179.493	---	1
19	---	---	---	---	179.251	179.345	179.401	179.408	179.346	179.382	179.489	---	1
20	---	---	---	---	179.258	179.354	179.389	179.415	179.340	179.375	179.491	---	2
21	---	---	---	---	179.262	179.353	179.380	179.410	179.331	179.372	179.490	---	2
22	---	---	---	---	179.266	179.359	179.379	179.406	179.324	179.386	179.486	---	2
23	---	---	---	---	179.270	179.364	179.382	179.425	179.311	179.377	179.499	---	2
24	---	---	---	---	179.272	179.367	179.405	179.411	179.297	179.369	179.498	---	2
25	---	---	---	---	179.272	179.367	179.391	179.406	179.294	179.376	179.507	---	2
26	---	---	179.295A	---	179.270	179.365	179.384	179.404	179.355	179.367	179.500	---	2
27	---	---	---	---	179.269	179.369	179.378	179.397	179.420	179.371	179.508	---	2
28	---	---	---	---	179.271	179.377	179.374	179.393	179.338	179.372	179.520	---	2
29	---		---	---	179.274	179.373	179.379	179.387	179.315	179.381	179.516	---	3
30	---		---	---	179.272	179.373	179.401	179.410	179.337	179.380	179.517	---	3
31	---		---		179.269		179.416	179.411		179.394		---	3
MEAN	---	---	---	---	---	179.315	179.386	179.406	179.357	179.366	179.462	---	ME
MAX	---	---	---	---	---	179.377	179.416	179.425	179.420	179.399	179.520	---	MA
MIN	---	---	---	---	---	179.266	179.370	179.387	179.294	179.324	179.390	---	MI

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 33 20 N
LONG 94 28 40 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY 1.755 m ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO. 04AC006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.184	181.154	181.098	181.026	180.971	181.037	181.148	181.139	181.149	181.076	181.163	181.280	1
2	181.191	181.153	181.091	181.030	180.981	181.035	181.157	181.159	181.158	181.075	181.164	181.277	2
3	181.193	181.151	181.090	181.026	180.997	181.031	181.158	181.168	181.135	181.082	181.156	181.273	3
4	181.188	181.151	181.087	181.011	180.991	181.035	181.151	181.158	181.131	181.083	181.162	181.271	4
5	181.188	181.133	181.079	181.009	180.979	181.033	181.145	181.153	181.140	181.084	181.163	181.286	5
6	181.188	181.141	181.075	180.993	181.003	181.042	181.147	181.141	181.129	181.094	181.177	181.282	6
7	181.183	181.129	181.083	181.007	180.993	181.032	181.151	181.154	181.126	181.101	181.169	181.285	7
8	181.183	181.125	181.094	181.016	180.988	181.024	181.154	181.145	181.127	181.084	181.171	181.291	8
9	181.183	181.122	181.093	181.014	180.996	181.032	181.173	181.148	181.121	181.081	181.176	181.291	9
10	181.178	181.130	181.080	181.010	181.006	181.028	181.176	181.160	181.130	181.090	181.179	181.284	10
11	181.173	181.130	181.079	181.003	181.010	181.022	181.155	181.167	181.142	181.114	181.185	181.293	11
12	181.176	181.133	181.075	180.992	181.012	181.029	181.151	181.153	181.135	181.114	181.188	181.298	12
13	181.184	181.120	181.075	181.001	181.012	181.030	181.143	181.166	181.130	181.118	181.194	181.298	13
14	181.192	181.121	181.065	181.001	181.012	181.028	181.143	181.160	181.118	181.119	181.199	181.296	14
15	181.199	181.145	181.064	180.994	181.006	181.019	181.152	181.159	181.102	181.128	181.202	181.293	15
16	181.189	181.145	181.058	180.989	181.018	181.026	181.128	181.156	181.100	181.134	181.205	181.300	16
17	181.197	181.140	181.065	180.971	181.016	181.020	181.124	181.164	181.100	181.125	181.219	181.310	17
18	181.190	181.130	181.063	180.977	181.014	181.040	181.132	181.159	181.097	181.131	181.220	181.307	18
19	181.188	181.134	181.060	180.972	181.016	181.077	181.120	181.150	181.080	181.124	181.233	181.310	19
20	181.194	181.130	181.063	180.966	181.025	181.078	181.123	181.155	181.076	181.122	181.232	181.311	20
21	181.191	181.126	181.057	180.967	181.025	181.106	181.145	181.166	181.079	181.122	181.239	181.314	21
22	181.187	181.130	181.056	180.984	181.015	181.122	181.148	181.178	181.076	181.117	181.249	181.318	22
23	181.194	181.127	181.059	180.995	181.036	181.131	181.141	181.155	181.084	181.124	181.250	181.321	23
24	181.184	181.122	181.051	180.993	181.035	181.123	181.111	181.146	181.081	181.116	181.252	181.322	24
25	181.170	181.120	181.042	180.983	181.040	181.133	181.141	181.147	181.069	181.121	181.258	181.328	25
26	181.162	181.116	181.031	180.991	181.035	181.135	181.142	181.148	181.014	181.129	181.265	181.328	26
27	181.167	181.115	181.049	181.001	181.021	181.131	181.140	181.149	181.039	181.130	181.270	181.318	27
28	181.156	181.108	181.046	180.990	181.024	181.134	181.149	181.159	181.084	181.129	181.266	181.320	28
29	181.150		181.043	180.982	181.020	181.142	181.151	181.154	181.088	181.137	181.275	181.325	29
30	181.137		181.036	180.972	181.021	181.146	181.120	181.127	181.077	181.133	181.279	181.318	30
31	181.140		181.024		181.036		181.123	181.131		181.151		181.315	31
MEAN	181.180	181.131	181.066	180.996	181.011	181.067	181.143	181.154	181.104	181.113	181.212	181.302	MEAN
MAX	181.199	181.154	181.098	181.030	181.040	181.146	181.176	181.178	181.158	181.151	181.279	181.328	MAX
MIN	181.137	181.108	181.024	180.966	180.971	181.019	181.111	181.127	181.014	181.075	181.156	181.271	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 181.123
MAXIMUM DAILY, 181.328 ON DEC 25
MINIMUM DAILY, 180.966 ON APR 20
MAXIMUM INSTANTANEOUS,
181.333 AT 08:43 CST ON DEC 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 47 N
LONG 94 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS RIVER AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	115	111	106	98.2	92.8	99.4	111	110	111	103	112	126	1
2	116	111	105	98.6	93.7	99.2	112	112	112	103	112	125	2
3	116	111	105	98.2	95.3	98.7	112	113	109	104	112	125	3
4	115	111	104	96.7	94.7	99.2	111	112	109	104	112	125	4
5	115	109	104	96.5	93.6	99.0	110	111	110	104	112	127	5
6	115	110	103	94.9	95.9	99.8	111	110	109	105	114	126	6
7	115	109	104	96.3	94.9	98.9	111	111	108	106	113	126	7
8	115	108	105	97.2	94.4	98.0	111	110	109	104	113	127	8
9	115	108	105	97.1	95.2	98.9	113	111	108	104	114	127	9
10	114	109	104	96.6	96.2	98.4	114	112	109	105	114	126	10
11	114	109	104	95.9	96.6	97.8	112	113	110	107	115	127	11
12	114	109	103	94.8	96.8	98.5	111	111	109	107	115	128	12
13	115	108	103	95.7	96.9	98.7	110	113	109	108	116	128	13
14	116	108	102	95.7	96.8	98.5	110	112	108	108	116	128	14
15	116	110	102	95.0	96.3	97.6	111	112	106	109	117	127	15
16	115	110	101	94.4	97.4	98.3	109	112	106	109	117	128	16
17	116	110	102	92.8	97.2	97.7	108	113	106	108	119	129	17
18	115	109	102	93.4	97.0	99.6	109	112	105	109	119	129	18
19	115	109	102	92.9	97.3	103	108	111	104	108	120	129	19
20	116	109	102	92.3	98.2	104	108	112	103	108	120	130	20
21	115	108	101	92.5	98.1	106	110	113	104	108	121	130	21
22	115	109	101	94.0	97.1	108	111	114	103	107	122	130	22
23	116	109	102	95.1	99.2	109	110	111	104	108	122	131	23
24	115	108	101	94.8	99.2	108	107	110	104	107	122	131	24
25	113	108	99.9	94.0	99.7	109	110	111	103	108	123	132	25
26	112	107	98.7	94.7	99.2	109	110	111	97.0	109	124	132	26
27	113	107	101	95.7	97.7	109	110	111	99.6	109	125	130	27
28	112	107	100	94.5	98.0	109	111	112	104	109	124	131	28
29	111		100	93.9	97.6	110	111	111	105	110	125	131	29
30	110		99.2	92.9	97.8	111	108	108	103	109	126	130	30
31	110		98.0		99.2		108	109		111		130	31
TOTAL	3 545	3 051	3 169.8	2 855.3	3 000.0	3 071.2	3 418	3 454	3 186.6	3 318	3 536	3 981	TOTAL
MEAN	114	109	102	95.2	96.8	102	110	111	106	107	118	128	MEAN
MAX	116	111	106	98.6	99.7	111	114	114	112	111	126	132	MAX
MIN	110	107	98.0	92.3	92.8	97.6	107	108	97.0	103	112	125	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 108
MAXIMUM DAILY, 132 ON DEC 25
MINIMUM DAILY, 92.3 ON APR 20
MAXIMUM INSTANTANEOUS,
132 AT 08:43 CST ON DEC 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 14 N
LONG 94 05 11 W
DRAINAGE AREA, 25 900 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN 306 000	JUL 295 000
FEB 264 000	AUG 298 000
MAR 274 000	SEP 275 000
APR 247 000	OCT 287 000
MAY 259 000	NOV 306 000
JUN 265 000	DEC 344 000

TOTAL DISCHARGE, 3 420 000 dam³

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	231B	190B	164B	143B	140B	569	685	480	327	679	406B	303B	1
2	229B	189B	163B	142B	143B	527	645	558	392	659	399B	301B	2
3	228B	188B	162B	141B	147B	493	614	595	429	666	392B	300B	3
4	226B	187B	161B	141B	153B	476	598	592	435	637	386B	299B	4
5	224B	186B	160B	140B	157B	434	574	572	419	650	381B	297B	5
6	223B	184B	159B	140B	164B	413	534	558	399	696	376B	295B	6
7	222B	183B	159B	139B	172B	403	512	554	384	759	372B	293B	7
8	220B	182B	158B	138B	182B	393	536	552	376	793	367B	292B	8
9	219B	180B	157B	138B	198B	390	653	555	370	798	362B	290B	9
10	218B	179B	156B	138B	224B	391	790	559	367	792	359B	289B	10
11	217B	178B	156B	137B	254B	395	812	552	366	774	354B	287B	11
12	215B	177B	155B	137B	326B	401	771	539	363	763	351B	285B	12
13	213B	176B	154B	136B	436B	401	716	515	356	742	347B	283B	13
14	212B	174B	153B	135B	764B	400	669	501	342	719	342B	282B	14
15	210B	174B	153B	135B	1 230B	401	617	500	333	710	340B	280B	15
16	209B	173B	152B	135B	1 640B	406	566	494	327	715	337B	279B	16
17	208B	172B	151B	134B	1 750B	464	511	464	316	733	333B	278B	17
18	207B	171B	150B	134B	1 760B	744	465	441	318	757	330B	276B	18
19	205B	171B	150B	134B	1 740E	1 250	446	426	313	741	328B	274B	19
20	204B	170B	149B	133B	1 640E	1 480	444	416	305	702	324B	272B	20
21	203B	169B	148B	132B	1 480E	1 530	453	400	290	630	321B	271B	21
22	202B	169B	148B	132B	1 330A	1 470	441	378	293	584	319B	270B	22
23	201B	168B	147B	132B	1 260	1 360	430	367	290	581	317B	268B	23
24	200B	167B	147B	131B	1 210	1 240	408	353	290	540	315B	266B	24
25	198B	167B	146B	130B	1 140	1 120	416	342	289	532	313B	265B	25
26	197B	166B	145B	131B	1 070	998	437	338	284	495	311B	263B	26
27	196B	165B	145B	131B	965	887	446	323	334	465	309B	262B	27
28	195B	164B	144B	132B	860	823	447	313	476	451	308B	260B	28
29	193B		144B	133B	762	775	432	300	619	440B	306B	259B	29
30	192B		143B	135B	683	726	426	287	669	428B	305B	258B	30
31	191B		143B		617		430	297		417B		257B	31
TOTAL	6 508	4 919	4 722	4 069	24 597	21 760	16 924	14 121	11 071	20 048	10 310	8 654	TOT
MEAN	210	176	152	136	793	725	546	456	369	647	344	279	MEA
MAX	231	190	164	143	1 760	1 530	812	595	669	798	406	303	MAX
MIN	191	164	143	130	140	390	408	287	284	417	305	257	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 405
MAXIMUM DAILY, 1 760B ON MAY 18
MINIMUM DAILY, 130B ON APR 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W

DRAINAGE AREA, 65 500 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	562 000	JUL	1 460 000
FEB	425 000	AUG	1 220 000
MAR	408 000	SEP	957 000
APR	352 000	OCT	1 730 000
MAY	2 130 000	NOV	891 000
JUN	1 880 000	DEC	748 000

TOTAL DISCHARGE, 12 800 000 dam³

GOPHER CREEK NEAR GLADSTONE - STATION NO. 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	---	---	0 B	0.003B	0.001	0.012	---	---	---	---	---	---	
2	---	---	0 B	0.003B	0.001	0.008	---	---	---	---	---	---	
3	---	---	0 B	0.002B	0.001	0.005	---	---	---	---	---	---	
4	---	---	0 B	0.002B	0.001	0.006	---	---	---	---	---	---	
5	---	---	0 B	0.001B	0.001	0.009	---	---	---	---	---	---	
6	---	---	0 B	0.001B	0.001	0.006	---	---	---	---	---	---	
7	---	---	0 B	0 B	0.001	0.003	---	---	---	---	---	---	
8	---	---	0 B	0 B	0	0.002	---	---	---	---	---	---	
9	---	---	0 B	0 B	0	0.003	---	---	---	---	---	---	1
10	---	---	0 B	0	0	0.002	---	---	---	---	---	---	1
11	---	---	0 B	0	0.001	0.001	---	---	---	---	---	---	1
12	---	---	0 B	0	0.001	0	---	---	---	---	---	---	1
13	---	---	0.001B	0	0	0	---	---	---	---	---	---	1
14	---	---	0.002B	0	0.001	0.003	---	---	---	---	---	---	1
15	---	---	0.003B	0	0.001	0.010	---	---	---	---	---	---	1
16	---	---	0.004B	0	0.001	0.009	---	---	---	---	---	---	1
17	---	---	0.004B	0	0.001	0.010	---	---	---	---	---	---	1
18	---	---	0.003B	0	0.001	0.012	---	---	---	---	---	---	1
19	---	---	0.003B	0	0.001	0.008	---	---	---	---	---	---	2
20	---	---	0.002B	0	0	0.005	---	---	---	---	---	---	2
21	---	---	0.002B	0	0	0.004	---	---	---	---	---	---	2
22	---	---	0.001B	0	0.002	0.007	---	---	---	---	---	---	2
23	---	---	0.001B	0.003	0.008	0.011	---	---	---	---	---	---	2
24	---	---	0 B	0.001	0.011	0.012	---	---	---	---	---	---	2
25	---	---	0 B	0	0.010	0.010	---	---	---	---	---	---	2
26	---	---	0.001B	0	0.008	0.007	---	---	---	---	---	---	
27	---	---	0.001B	0	0.004	0.004	---	---	---	---	---	---	
28	---	---	0.002B	0	0.003	0.003	---	---	---	---	---	---	
29	---		0.002B	0.001	0.019	0.005	---	---	---	---	---	---	
30	---		0.003B	0.001	0.021	0.003	---	---	---	---	---	---	
31	---		0.003B		0.016		---	---		---	---	---	T
TOTAL	---	---	0.038	0.018	0.117	0.180	---	---	---	---	---	---	
MEAN	---	---	0.001	0.001	0.004	0.006	---	---	---	---	---	---	M
MAX	---	---	0.004	0.003	0.021	0.012	---	---	---	---	---	---	MA
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.021 ON MAY 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.024 AT 18:18 CST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 27 N
LONG 98 58 36 W

DRAINAGE AREA, 73.3 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	3.28	SEP	---
APR	1.56	OCT	---
MAY	10.1	NOV	---
JUN	15.6	DEC	---

TOTAL DISCHARGE, 30.5 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.283B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.262B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0.241B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.219B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.198B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.177B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.156B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.134B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.113B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.092B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.070B	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.048B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.044B	0	0	0	0	0	0	0	---	---	13
14	---	0.005B	0.040B	0	0	0	0	0	0	0	---	---	14
15	---	0.050B	0.036B	0	0	0	0	0	0	0	---	---	15
16	---	0.055B	0.032B	0	0	0	0	0	0	0	---	---	16
17	---	0.090B	0.028B	0	0	0	0	0	0	0	---	---	17
18	---	0.150B	0.024B	0	0	0	0	0	0	0	---	---	18
19	---	0.200B	0.020B	0	0	0	0	0	0	0	---	---	19
20	---	0.250B	0.016B	0	0	0	0	0	0	0	---	---	20
21	---	0.320B	0.014B	0	0	0	0	0	0	0	---	---	21
22	---	0.380B	0.012B	0	0	0	0	0	0	0	---	---	22
23	---	0.410B	0.010B	0	0	0	0	0	0	0	---	---	23
24	---	0.390B	0.008	0	0	0	0	0	0	0	---	---	24
25	---	0.369B	0.006	0	0	0	0	0	0	0	---	---	25
26	---	0.347B	0.004	0	0.016	0	0	0	0	0	---	---	26
27	---	0.326B	0.002	0	0.012	0	0	0	0	0	---	---	27
28	---	0.305B	0.001	0	0.001A	0	0	0	0	0	---	---	28
29	---		0.001	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	3.647	2.291	0	0.029	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.130	0.074	0	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	0.410	0.283	0	0.016	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.283B ON MAR 1
MINIMUM DAILY, 0 ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 290 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	315	AUG	0
MAR	198	SEP	0
APR	0	OCT	0
MAY	2.51	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 201 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

GRACE LAKE NEAR THE PAS - STATION NO. 05KJ002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	260.357	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	260.421	---	---	260.351	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	260.222	---	260.415	4
5	---	---	260.394	---	---	260.381	---	---	260.222	---	---	---	5
6	---	260.378	---	---	---	---	---	---	---	---	260.393	---	6
7	260.360	---	---	---	260.481	---	---	260.271	---	---	---	---	7
8	260.356	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	260.436	---	---	260.351	---	---	260.272	---	---	10
11	---	---	---	---	---	---	---	---	260.212	---	---	260.415	11
12	---	260.375	260.393	---	---	260.371	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	260.403	---	13
14	---	---	---	---	---	---	---	260.241	---	---	---	---	14
15	260.361	---	---	---	260.451	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	260.322	---	---	16
17	---	---	---	---	---	---	260.341	---	---	---	---	---	17
18	---	---	---	260.436	---	---	---	---	---	---	---	---	18
19	---	260.382	---	---	---	---	---	---	260.212	---	260.411	---	19
20	---	---	---	---	---	260.371	---	---	---	---	260.413	---	20
21	---	---	---	---	260.431	---	---	260.231	---	---	---	---	21
22	260.364	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	260.323	---	---	23
24	---	---	260.395	260.446	---	---	260.321	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	260.222	---	---	260.457	26
27	---	260.379	260.399	---	---	260.351	---	---	---	---	---	---	27
28	---	---	---	---	260.401	---	---	260.232	---	---	260.414	---	28
29	260.367		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	260.291	---	---	---	---	---	30
31	---		---		---		---	---		260.383		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.481 ON MAY 7
MINIMUM DAILY, 260.212 ON SEP 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 49 00 N
LONG 101 12 00 W

REGULATED SINCE 1955

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUN

GRAHAM CREEK NEAR MELITA - STATION NO. 05NF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0	0	0	0	0	0	0	0	---	---	16
17	---	0.001B	0	0	0	0	0	0	0	0	---	---	17
18	---	0.002B	0	0	0	0	0	0	0	0	---	---	18
19	---	0.004B	0	0	0	0	0	0	0	0	---	---	19
20	---	0.005B	0	0	0	0	0	0	0	0	---	---	20
21	---	0.004B	0	0	0	0	0	0	0	0	---	---	21
22	---	0.003B	0	0	0	0	0	0	0	0	---	---	22
23	---	0.002B	0	0	0	0	0	0	0	0	---	---	23
24	---	0.001B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.001B	0	0	0	0	0	0	0	0	---	---	25
26	---	0 B	0	0	0	0	0	0	0	0	---	---	26
27	---	0 B	0	0	0	0	0	0	0	0	---	---	27
28	---	0 B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0		---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	0.023	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.005	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 59 45 W
DRAINAGE AREA, 754 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	1.99	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

GRANVILLE LAKE AT PICKEREL NARROWS - STATION NO. 06EB002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.122	260.117	260.044	259.901	259.803	260.168	259.908	259.597	259.301	259.198	259.251	259.477	1
2	260.118	260.113	260.042	259.896	259.805	260.165	259.901	259.585	259.285	259.203	259.359	259.476	2
3	260.118	260.108	260.039	259.895	259.803	260.165	259.897	259.577	259.279	259.205	259.367	259.479	3
4	260.118	260.109	260.037	259.889	259.801	260.163	259.880	259.573	259.291	259.209	259.381	259.477	4
5	260.122	260.110	260.027	259.888	259.806	260.163	259.857	259.566	259.294	259.217	259.376	259.474	5
6	260.125	260.109	260.021	259.888	259.808	260.164	259.865	259.557	259.293	259.221	259.372	259.481	6
7	260.123	260.107	260.017	259.889	259.825	260.163	259.858	259.538	259.276	259.224	259.364	259.482	7
8	260.123	260.104	260.010	259.889	259.841	260.155	259.807	259.532	259.280	259.223	259.376	259.483	8
9	260.123	260.099	260.007	259.888	259.853	260.145	259.787	259.525	259.272	259.226	259.386	259.476	9
10	260.120	260.095	259.996	259.883	259.871	260.117	259.806	259.513	259.263	259.247	259.392	259.483	10
11	260.125	260.096	259.984	259.877	259.897	260.129	259.802	259.483	259.241	259.265	259.398	259.493	11
12	260.129	260.095	259.982	259.873	259.919	260.117	259.792	259.487	259.253	259.268	259.403	259.486	12
13	260.131	260.090	259.972	259.870	259.950	260.108	259.788	259.443	259.244	259.272	259.410	259.492	13
14	260.132	260.091	259.969	259.870	259.979	260.100	259.782	259.456	259.236	259.287	259.413	259.486	14
15	260.129	260.094	259.961	259.864	259.999	260.085	259.772	259.453	259.236	259.293	259.424	259.487	15
16	260.125	260.092	259.960	259.864	260.023	260.075	259.763	259.439	259.231	259.297	259.439	259.486	16
17	260.128	260.089	259.949	259.859	260.049	260.059	259.748	259.439	259.229	259.285	259.449	259.484	17
18	260.128	260.082	259.947	259.852	260.065	260.038	259.730	259.422	259.219	259.293	259.447	259.480	18
19	260.125	260.081	259.944	259.851	260.084	260.040	259.730	259.414	259.221	259.298	259.448	259.486	19
20	260.128	260.077	259.940	259.845	260.096	260.033	259.718	259.411	259.213	259.285	259.453	259.483	20
21	260.131	260.075	259.938	259.844	260.113	260.027	259.708	259.401	259.209	259.297	259.456	259.484	21
22	260.134	260.073	259.933	259.837	260.132	260.009	259.698	259.393	259.209	259.294	259.461	259.477	22
23	260.135	260.069	259.930	259.834	260.141	259.993	259.690	259.387	259.191	259.300	259.458	259.471	23
24	260.136	260.062	259.927	259.833	260.145	259.991	259.665	259.381	259.203	259.284	259.458	259.472	24
25	260.141	260.053	259.922	259.826	260.151	259.977	259.652	259.376	259.212	259.309	259.463	259.471	25
26	260.136	260.052	259.919	259.826	260.157	259.969	259.661	259.372	259.199	259.324	259.469	259.465	26
27	260.129	260.052	259.913	259.816	260.170	259.946	259.652	259.363	259.192	259.327	259.470	259.464	27
28	260.128	260.047	259.912	259.817	260.173	259.941	259.639	259.344	259.214	259.334	259.464	259.462	28
29	260.126		259.906	259.811	260.162	259.930	259.616	259.329	259.206	259.336	259.474	259.457	29
30	260.124		259.905	259.804	260.169	259.917	259.620	259.331	259.200	259.344	259.479	259.453	30
31	260.122		259.905		260.169		259.607	259.295		259.357		259.453	31
MEAN	260.127	260.087	259.966	259.859	259.999	260.068	259.755	259.451	259.240	259.275	259.422	259.477	MEAN
MAX	260.141	260.117	260.044	259.901	260.173	260.168	259.908	259.597	259.301	259.357	259.479	259.493	MAX
MIN	260.118	260.047	259.905	259.804	259.801	259.917	259.607	259.295	259.191	259.198	259.351	259.453	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 259.725
MAXIMUM DAILY, 260.173 ON MAY 28
MINIMUM DAILY, 259.191 ON SEP 23
MAXIMUM INSTANTANEOUS,
260.179 AT 01:10 CST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 40 N
LONG 100 35 00 W

REGULATED SINCE 1928

DRAINAGE AREA,
242 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO. 05TD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	81.0	60.7	48.2	37.5	33.1	73.4	79.0	78.5	65.0	47.7	53.9	53.9	1
2	81.2	60.5	47.9	37.0	33.6	73.7	80.1	79.1	64.0	47.0	53.0	53.6	2
3	81.1	59.6	47.0	36.5	34.3	72.1	79.6	78.3	66.9	47.0	52.0	54.3	3
4	81.2	59.3	46.9	36.3	34.8	72.6	79.3	80.3	64.1	46.8	51.1	54.2	4
5	80.8	58.4	46.2	36.6	35.7	70.7	81.0	83.2	62.7	46.6	52.2	54.5	5
6	79.1	57.5	45.8	35.3	37.0	68.8	74.7	84.0	63.3	47.2	52.4	54.0	6
7	77.7	57.1	45.4	35.6	38.4	68.3	72.5	83.2	62.4	45.4	52.6	54.3	7
8	76.9	56.9	44.9	36.1	40.2	70.1	81.0	82.8	62.2	42.3	52.5	54.7	8
9	76.0	56.5	44.7	35.7	42.8	70.2	84.5	82.9	61.0	38.9	51.9	54.5	9
10	75.3	56.7	44.3	35.4	44.1	73.0	76.6	84.2	60.9	44.5	51.5	55.1	10
11	74.1	56.6	43.9	35.4	45.9	71.2	75.2	82.4	60.9	45.5	51.4	54.7	11
12	73.6	56.0	43.7	34.8	48.8	72.2	75.0	80.7	58.8	46.6	51.2	55.5	12
13	72.6	54.9	42.9	35.0	51.8	70.7	73.4	82.2	57.2	49.1	51.5	55.5	13
14	71.9	53.4	42.7	34.7	53.5	69.2	72.3	79.7	55.9	50.5	51.6	55.3	14
15	71.4	52.9	41.9	34.2	56.8	69.7	70.3	80.2	55.3	50.9	50.3	55.4	15
16	70.7	52.5	41.5	33.9	59.7	71.2	69.7	80.2	55.8	51.9	51.6	55.3	16
17	70.4	51.8	41.4	33.8	61.7	67.6	72.8	78.0	55.7	50.0	52.6	55.2	17
18	69.5	51.1	41.0	33.9	63.5	71.4	73.1	77.5	53.5	53.9	52.8	55.3	18
19	68.8	51.2	40.5	33.4	65.2	74.6	68.4	76.2	51.6	52.2	52.9	55.2	19
20	68.2	50.5	40.1	33.0	66.4	77.5	71.1	75.0	49.5	54.3	53.2	55.4	20
21	68.2	51.4	39.8	32.8	67.0	78.3	70.9	75.9	50.0	54.1	53.6	55.5	21
22	67.0	51.2	39.7	32.7	63.4	78.9	70.9	74.1	48.9	53.1	53.5	55.7	22
23	66.3	50.8	39.3	32.9	66.6	79.2	65.9	70.6	52.2	53.0	53.5	55.7	23
24	65.4	50.1	38.4	32.4	69.4	78.4	71.7	72.2	50.6	52.3	53.3	55.9	24
25	64.6	50.0	38.7	32.2	69.4	79.1	77.0	71.3	47.5	52.6	53.1	56.4	25
26	64.7	49.0	38.6	32.1	71.6	81.2	78.1	70.6	41.1	52.3	53.4	56.5	26
27	64.3	49.0	37.7	32.6	68.8	80.6	79.5	71.2	46.7	52.4	53.2	56.3	27
28	63.6	48.4	37.4	32.9	69.5	79.4	78.7	71.0	49.1	51.6	53.2	56.2	28
29	62.6		36.7	32.8	69.0	80.1	76.6	66.6	47.9	51.9	53.5	56.2	29
30	62.3		36.4	33.0	70.5	80.9	74.6	61.9	47.1	52.5	53.9	56.4	30
31	61.7		36.9		72.6		75.5	65.9		53.4		56.3	31
TOTAL	2 212.2	1 514.0	1 300.5	1 030.5	1 705.1	2 224.3	2 329.0	2 379.9	1 667.8	1 537.5	1 576.4	1 713.0	TOTAL
MEAN	71.4	54.1	42.0	34.4	55.0	74.1	75.1	76.8	55.6	49.6	52.5	55.3	MEAN
MAX	81.2	60.7	48.2	37.5	72.6	81.2	84.5	84.2	66.9	54.3	53.9	56.5	MAX
MIN	61.7	48.4	36.4	32.1	33.1	67.6	65.9	61.9	41.1	38.9	50.3	53.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.1
MAXIMUM DAILY, 84.5 ON JUL 9
MINIMUM DAILY, 32.1 ON APR 26
MAXIMUM INSTANTANEOUS,
90.0 AT 12:30 CST ON JUL 9

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	191 000	JUL	201 000
FEB	131 000	AUG	206 000
MAR	112 000	SEP	144 000
APR	89 000	OCT	133 000
MAY	147 000	NOV	136 000
JUN	192 000	DEC	148 000

TOTAL DISCHARGE, 1 830 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.61	8.82	8.41	7.70	7.83	8.38	11.3	7.67	5.31	4.60	6.48	7.11	1
2	9.63	8.87	8.25	7.74	7.94	8.33	11.4	7.60	5.34	4.61	6.33	7.01	2
3	9.44	8.89	8.29	7.71	7.99	8.30	11.4	7.59	5.46	4.42	6.24	7.05A	3
4	9.40	8.85	8.24	7.70	8.19	8.22	11.2	7.44	5.46	4.32	6.35	7.05E	4
5	9.39	8.93	8.12	7.79	8.27	8.28	11.1	7.27	5.36	4.45	6.62	7.05E	5
6	9.40	8.89	8.12	7.56	8.43	8.18	10.6	7.24	5.47	4.48	6.76	7.05E	6
7	9.29	8.90	8.16	7.83	8.41	8.17	10.6	7.00	5.50	4.17	6.72	7.05E	7
8	9.29	8.72	8.29	7.76	8.23	8.71	11.2	6.82	5.45	4.24	6.84	7.05E	8
9	9.39	8.69	8.31	7.56	8.56	8.69	10.7	6.93	5.48	4.35	6.82	7.05E	9
10	9.17	8.55	8.39	7.29	8.57	8.87	10.2	6.98	5.33	4.66	6.95	7.05E	10
11	9.28	8.36	8.41	7.56	8.68	8.85	9.84	6.74	5.28	4.60	6.92	7.07E	11
12	9.34	8.36	8.26	7.48	8.83	8.88	9.45	6.55	5.19	4.78	6.99	7.07E	12
13	9.50	8.20	8.33	7.31	8.76	8.76	9.19	6.66	5.05	5.35	7.09	7.07E	13
14	9.54	8.16	8.40	7.38	8.32	8.67	9.04	6.48	4.81	5.54	6.97	7.07E	14
15	9.45	8.35	8.33	7.36	8.37	8.76	8.91	6.53	4.75	5.65	6.74	7.07E	15
16	9.56	8.34	8.14	7.17	8.56	8.78	8.83	6.40	4.88	5.78	6.67	7.07E	16
17	9.70	8.33	8.03	7.26	8.64	8.49	9.15	6.29	4.85	5.71	6.68	7.07E	17
18	9.57	8.42	8.18	7.38	8.74	9.02	9.27	6.19	4.64	5.89	6.65	7.07E	18
19	9.45	8.46	8.27	7.28	8.71	9.18	8.59	6.11	4.46	5.69	6.74	7.07E	19
20	9.49	8.43	8.11	7.29	8.71	9.25	8.81	6.15	4.41	5.83	6.81	7.07E	20
21	9.55	8.64	8.11	7.32	8.49	9.35	8.85	6.22	4.38	5.74	6.71	7.07E	21
22	9.43	8.66	8.09	7.45	7.90	9.33	8.74	6.07	4.37	5.70	6.70	7.07E	22
23	9.32	8.55	8.01	7.47	8.07	9.25	8.46	5.84	4.76	5.76	6.92	7.07E	23
24	9.28	8.57	7.98	7.46	8.25	9.60	8.52	5.91	4.68	5.56	6.99	7.10E	24
25	9.13	8.43	7.95	7.52	8.29	10.7	8.61	5.81	4.44	5.65	7.08	7.10E	25
26	8.93	8.42	7.98	7.62	8.37	11.0	8.69	5.71	4.28	5.46	7.11	7.10E	26
27	8.97	8.53	7.94	7.72	8.40	11.2	8.54	5.71	4.71	5.63	7.18	7.10E	27
28	8.92	8.52	7.89	7.57	8.05	11.2	8.39	5.86	4.61	5.61	7.19	7.10E	28
29	8.87		7.54	7.71	7.96	11.5	8.01	5.51	4.57	5.63	7.20	7.10E	29
30	8.83		7.51	7.73	8.20	11.6	7.74	5.29	4.47	5.81	7.26	7.10A	30
31	8.89		7.70		8.18		7.50	5.44		6.33		7.10E	31
TOTAL	289.01	239.84	251.74	225.68	258.90	277.50	292.83	200.01	147.75	162.00	204.67	219.23	TOTAL
MEAN	9.32	8.57	8.12	7.52	8.35	9.25	9.45	6.45	4.93	5.23	6.82	7.07	MEAN
MAX	9.70	8.93	8.41	7.83	8.83	11.6	11.4	7.67	5.50	6.33	7.26	7.11	MAX
MIN	8.83	8.16	7.51	7.17	7.83	8.17	7.50	5.29	4.28	4.17	6.24	7.01	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.59
MAXIMUM DAILY, 11.6 ON JUN 30
MINIMUM DAILY, 4.17 ON OCT 7
MAXIMUM INSTANTANEOUS,
12.4 AT 14:04 CST ON JUL 8

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 99 58 10 W
DRAINAGE AREA, 3 290 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 000	JUL	25 300
FEB	20 700	AUG	17 300
MAR	21 800	SEP	12 800
APR	19 500	OCT	14 000
MAY	22 400	NOV	17 700
JUN	24 000	DEC	18 900

TOTAL DISCHARGE, 239 000 dam³

GRASSMERE DRAIN NEAR MIDDLECHURCH - STATION NO. 05OJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.346	0	0.084	0.084	0	0	0	---	---	1
2	---	---	0 B	0.264	0	0.080	0.069	0	0	0	---	---	2
3	---	---	0 B	0.160	0	0.079	0.093	0	0	0	---	---	3
4	---	---	0 B	0.097	0	0.085	0.071	0	0	0.004	---	---	4
5	---	---	0 B	0.068	0	0.093	0.048	0.007	0	0.054	---	---	5
6	---	---	0 B	0.053	0	0.077	0.031	0.432	0.081	0.032	---	---	6
7	---	---	0 B	0.045	0	0.071	0.021	0.453	0.067	0.010	---	---	7
8	---	---	0 B	0.028	0	0.065	0.015	0.092	0.022	0	---	---	8
9	---	---	0 B	0.018	0	0.060	0.008	0.028	0.008	0.006	---	---	9
10	---	---	0 B	0.013	0	0.061	0.003	0.015	0.010	0.066	---	---	10
11	---	---	0.062B	0.014	0	0.058	0.001	0.006	0.006	0.055	---	---	11
12	---	---	0.186B	0.007	0	0.045	0	0	0	0.112	---	---	12
13	---	---	0.440B	0.003	0	0.036	0	0	0	0.183	---	---	13
14	---	---	0.705B	0	0	0.046	0	0	0	0.120	---	---	14
15	---	---	0.670B	0.001	0	0.047	0	0	0	0.081	---	---	15
16	---	---	0.636B	0	0	0.036	0	0	0	0.064	---	---	16
17	---	---	0.503B	0	0	0.022	0	0	0	0.051	---	---	17
18	---	---	0.496B	0	0	0.025	0	0.006	0	0.035	---	---	18
19	---	---	0.483B	0	0	0.025	0	0.009	0	0.022	---	---	19
20	---	---	0.477B	0	0	0.012	0	0	0	0.016	---	---	20
21	---	---	0.470B	0	0	0.004	0	0.004	0	0.007	---	---	21
22	---	---	0.464B	0	0	0.002	0	0.013	0	0.001	---	---	22
23	---	---	0.780B	0	0	0.002	0	0.005	0	0	---	---	23
24	---	---	1.36 B	0	0	0.006	0	0	0	0	---	---	24
25	---	---	1.35 B	0	0.071	0.006	0	0	0	0	---	---	25
26	---	---	1.31 B	0	0.092	0.005	0	0	0	0	---	---	26
27	---	---	1.24 B	0	0.095	0.007	0	0	0	0	---	---	27
28	---	---	1.16 B	0	0.099	0.028	0	0	0	0	---	---	28
29	---		1.09 B	0	0.112	0.091	0	0	0	0	---	---	29
30	---		0.940A	0	0.093	0.079	0	0	0	0.008	---	---	30
31	---		0.568		0.088		0	0		0.043		---	31
TOTAL	---	---	15.390	1.117	0.650	1.337	0.444	1.070	0.194	0.970	---	---	TOTAL
MEAN	---	---	0.496	0.037	0.021	0.045	0.014	0.035	0.006	0.031	---	---	MEAN
MAX	---	---	1.36	0.346	0.112	0.093	0.093	0.453	0.081	0.183	---	---	MAX
MIN	---	---	0	0	0	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 1.36B ON MAR 24
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 08 N
LONG 97 07 01 W
DRAINAGE AREA, 471 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	38.4
FEB	---	AUG	92.4
MAR	1 330	SEP	16.8
APR	96.5	OCT	83.8
MAY	56.2	NOV	---
JUN	116	DEC	---

TOTAL DISCHARGE, 1 830 dam³

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO. 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.44B	3.33B	2.53B	1.82B	13.5	13.5	33.4	17.0	16.5	20.0	33.1	27.4	1
2	4.37B	3.29B	2.50B	1.82B	15.2	13.2	31.7	18.4	18.6	20.3	36.2	27.2	2
3	4.33B	3.26B	2.48B	1.82B	16.8	13.1	30.1	20.0	20.4	20.5	37.9	26.7	3
4	4.30B	3.23B	2.48B	1.79B	17.8	12.6	28.4	20.5	20.9	20.9	39.3	26.0	4
5	4.26B	3.20B	2.45B	1.79B	18.3	12.3	26.6	20.8	20.8	21.3	39.5	25.6	5
6	4.22B	3.16B	2.42B	1.79B	18.5	12.2	25.4	20.4	20.6	21.7	39.7	25.2	6
7	4.19B	3.13B	2.39B	1.79B	18.9	11.9	24.5	19.9	20.0	21.7	39.1	24.8	7
8	4.12B	3.10B	2.37B	1.79B	18.9	12.2	23.3	19.8	19.4	21.9	37.8	24.1	8
9	4.08B	3.06B	2.34B	1.79B	18.8	12.2	23.7	19.4	18.3	21.7	36.6	23.6	9
10	4.04B	3.06B	2.31B	1.82B	18.7	12.1	23.9	19.0	18.2	22.4	35.8	23.2	10
11	4.01B	3.03B	2.28B	1.84B	18.4	11.8	23.1	18.6	17.5	22.9	34.8	23.0	11
12	3.93B	3.00B	2.26B	1.86B	18.3	11.5	22.4	17.9	16.8	25.0	34.9	22.9	12
13	3.90B	2.96B	2.23B	1.89B	18.3	11.2	21.6	17.2	16.2	27.2	34.7	22.6	13
14	3.86B	2.90B	2.23B	1.91B	18.2	11.0	20.9	16.5	15.5	28.6	34.4	21.9	14
15	3.82B	2.87B	2.20B	1.96B	18.1	11.0	20.1	15.8	15.0	29.6	34.5	21.5	15
16	3.79B	2.83B	2.17B	2.09B	17.7	10.7	19.3	15.3	14.6	30.5	34.6	21.4	16
17	3.76B	2.83B	2.15B	2.26B	17.4	11.5	18.6	16.1	14.0	31.2	34.5	20.9	17
18	3.72B	2.80B	2.12B	2.56B	17.0	19.6	18.0	17.0	13.7	32.0	34.7	20.3B	18
19	3.69B	2.78B	2.09B	2.83B	16.8	24.0	17.2	18.2	13.3	32.3	33.8	20.0B	19
20	3.66B	2.75B	2.06B	3.23B	16.7	27.3	16.7	19.4	12.8	31.8	32.5	19.5B	20
21	3.62B	2.72B	2.06B	3.79B	16.4	30.1	16.0	19.7	12.2	30.9	31.8	19.2B	21
22	3.59B	2.72B	2.04B	4.52B	16.0	31.3	15.6	19.5	12.0	29.8	31.0	18.8B	22
23	3.56B	2.69B	2.01B	5.21B	15.8	31.3	15.1	19.3	11.7	28.8	30.8	18.4B	23
24	3.53B	2.67B	1.98B	5.98B	15.7	31.4	15.0	18.4	11.3	28.2	30.3	18.1B	24
25	3.49B	2.64B	1.96B	6.69B	15.4	32.2	14.8	17.7	11.0	27.3	29.9	17.7B	25
26	3.46B	2.61B	1.93B	7.74	15.3	33.1	15.0	17.0	12.4	26.9	29.5	17.4B	26
27	3.46B	2.59B	1.91B	8.85	14.6	34.1	14.8	16.3	14.3	26.5	28.9	17.1B	27
28	3.43B	2.56B	1.89B	10.3	14.3	35.8	14.4	15.9	15.4	26.1	28.7	16.7B	28
29	3.43B		1.86B	11.5	14.2	35.9	14.3	15.2	17.4	26.1	28.6	16.4B	29
30	3.39B		1.86B	12.5	14.2	34.6	14.5	14.9	19.1	27.2	28.1	16.1B	30
31	3.36B		1.84B		13.7		16.0	15.5		29.9		15.7B	31
TOTAL	118.81	81.77	67.40	117.53	517.9	604.7	634.4	556.6	479.9	811.2	1 016.0	659.4	TOTAL
MEAN	3.83	2.92	2.17	3.92	16.7	20.2	20.5	18.0	16.0	26.2	33.9	21.3	MEAN
MAX	4.44	3.33	2.53	12.5	18.9	35.9	33.4	20.8	20.9	32.3	39.7	27.4	MAX
MIN	3.36	2.56	1.84	1.79	13.5	10.7	14.3	14.9	11.0	20.0	28.1	15.7	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.5
MAXIMUM DAILY, 39.7 ON NOV 6
MINIMUM DAILY, 1.79B ON APR 4
MAXIMUM INSTANTANEOUS,
40.8 AT 12:30 CST ON NOV 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 20 W
DRAINAGE AREA, 4 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 300	JUL	54 800
FEB	7 060	AUG	48 100
MAR	5 820	SEP	41 500
APR	10 200	OCT	70 100
MAY	44 700	NOV	87 800
JUN	52 200	DEC	57 000

TOTAL DISCHARGE, 490 000 dam³

HAYES RIVER BELOW GODS RIVER - STATION NO. 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	320B	283B	255B	234B	246B	1 210E	1 330	799	493	935	633B	565B	1
2	319B	282B	254B	234B	251B	1 130E	1 240	959	547	946	626B	564B	2
3	318B	281B	253B	233B	256B	1 060E	1 170	1 090	608	948	618B	563B	3
4	316B	280B	253B	232B	263B	996E	1 130	1 130	624	921	615B	562B	4
5	314B	278B	252B	232B	269B	931E	1 070	1 120	616	911	611B	561B	5
6	313B	277B	251B	232B	276B	876E	1 010	1 080	594	947	606B	560B	6
7	312B	276B	250B	231B	284B	827E	961	1 050	575	1 030	604B	559B	7
8	311B	275B	249B	231B	294B	786A	941	1 030	563	1 110	601B	558B	8
9	309B	274B	248B	231B	303B	734	1 020	995	555	1 140	598B	556B	9
10	308B	273B	248B	230B	320B	728	1 200	983	550	1 130	596B	555B	10
11	307B	272B	247B	230B	494B	721	1 280	962	542	1 110	594B	554B	11
12	306B	271B	246B	230B	863B	721	1 240	916	539	1 110	593B	553B	12
13	305B	271B	246B	229B	1 190B	726	1 170	880	530	1 100	591B	552B	13
14	304B	269B	245B	229B	1 590B	732	1 090	853	518	1 130	589B	551B	14
15	302B	268B	244B	229B	1 970B	714	1 010	831	509	1 160	587B	550B	15
16	302B	267B	244B	229B	2 450B	690	932	820	490	1 180	586B	549B	16
17	301B	266B	243B	229B	2 870B	724	855	814	469	1 230	584B	548B	17
18	300B	265B	242B	229B	2 900B	944	809	784	466	1 280	582B	547B	18
19	299B	264B	241B	228B	2 910B	1 740	772	759	465	1 290	580B	546B	19
20	298B	263B	241B	228B	2 820E	2 360	738	732	459	1 220	579B	545B	20
21	297B	262B	240B	228B	2 550E	2 520	748	695	445	1 140	577B	544B	21
22	295B	261B	239B	228B	2 400E	2 530	742	669	432	1 020	576B	543B	22
23	293B	260B	238B	228B	2 240E	2 420	717	645	431	964	574B	543B	23
24	291B	259B	238B	228B	2 060E	2 250	698	604	427	905	573B	542B	24
25	290B	259B	238B	229B	1 910E	2 060	704	587	423	861	572B	541B	25
26	298B	258B	237B	231B	1 800E	1 870	746	566	439	817	571B	540B	26
27	288B	257B	236B	232B	1 680E	1 720	781	537	484	728	570B	539B	27
28	287B	256B	235B	236B	1 570E	1 580	798	521	579	689	569B	539B	28
29	286B		235B	239B	1 470E	1 480	796	507	780	673B	568B	538B	29
30	285B		235B	243B	1 360E	1 420	777	492	899	657B	566B	538B	30
31	284B		234B		1 290E		769	489		644B		538B	31
TOTAL	9 358	7 527	7 557	6 932	43 149	39 200	29 244	24 899	16 051	30 926	17 689	17 043	TOTAL
MEAN	302	269	244	231	1 390	1 310	943	803	535	998	590	550	MEAN
MAX	320	283	255	243	2 910	2 530	1 330	1 130	899	1 290	633	565	MAX
MIN	284	256	234	228	246	690	698	489	423	644	566	538	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 684
MAXIMUM DAILY, 2 910B ON MAY 19
MINIMUM DAILY, 228B ON APR 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 55 N
LONG 92 47 19 W
DRAINAGE AREA, 103 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	809 000	JUL	2 530 000
FEB	650 000	AUG	2 150 000
MAR	653 000	SEP	1 390 000
APR	599 000	OCT	2 670 000
MAY	3 730 000	NOV	1 530 000
JUN	3 390 000	DEC	1 470 000

TOTAL DISCHARGE, 21 600 000 dam³

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.5B	23.8B	22.9B	22.4B	28.0B	58.4	82.9	61.6	43.9	34.5	50.4	50.3B	1
2	26.3B	23.8B	22.9B	22.3B	29.6B	58.2	83.1	62.1	43.6E	34.9	50.0	49.7B	2
3	26.1B	23.7B	22.9B	22.3B	30.8B	57.8	83.5	61.8	43.3E	35.5	49.8	49.0B	3
4	26.0B	23.6B	22.8B	22.3B	32.3B	57.6	83.2	61.6	42.9E	35.5	47.8	48.3B	4
5	26.0B	23.6B	22.8B	22.3B	33.6B	57.9	82.8	61.3	42.4E	35.6	50.1	47.6B	5
6	25.8B	23.6B	22.8B	22.3B	35.2	56.7	81.0	59.7	41.3E	35.6	51.5	47.0B	6
7	25.7B	23.5B	22.8B	22.3B	36.3	56.0	78.8	59.8	40.7E	34.9	52.2	46.5B	7
8	25.6B	23.4B	22.7B	22.2B	36.8	56.9	79.3	59.1	40.4E	34.1	52.5	45.7B	8
9	25.5B	23.4B	22.7B	22.2B	38.1	56.6	86.2	58.3	40.1E	31.8	48.4	45.0B	9
10	25.4B	23.3B	22.7B	22.2B	39.8	56.9	80.8	58.2	39.5E	33.6	46.3	44.3B	10
11	25.2B	23.3B	22.7B	22.2B	41.4	56.5	77.6	57.6	39.3E	35.3	50.2	43.5B	11
12	25.1B	23.3B	22.7B	22.1B	42.6	55.7	76.1	55.6	39.1E	37.4	48.0E	42.9B	12
13	25.1B	23.3B	22.6B	22.1B	44.3	55.5	75.5	56.6	38.8E	40.0	49.1E	42.2B	13
14	25.0B	23.2B	22.6B	22.1B	46.0	54.1	72.6	56.4	38.6E	39.9	49.7E	41.6B	14
15	24.8B	23.2B	22.6B	22.1B	47.2	51.8	71.5	54.2	38.4E	40.4	50.4E	41.0B	15
16	24.8B	23.2B	22.6B	22.1B	49.9	52.4	69.0	54.1	38.0E	40.8	50.9E	40.3B	16
17	24.7B	23.1B	22.6B	22.1B	51.0	52.4	70.2	53.9	37.6E	41.1	51.6E	39.6B	17
18	24.6B	23.1B	22.5B	22.0B	52.2	59.3	70.5	52.4	37.5E	40.4	52.1E	39.1B	18
19	24.6B	23.1B	22.5B	22.0B	53.2	65.7	67.9	51.8	36.9E	42.2	52.4E	38.4B	19
20	24.6B	23.1B	22.5B	22.0B	54.3	69.1	66.8	51.3	34.5E	42.4	52.5E	37.8B	20
21	24.5B	23.1B	22.5B	22.0B	55.0	72.6	67.0	50.8	33.5E	46.6	52.6E	37.4B	21
22	24.5B	23.1B	22.5B	22.1B	54.9	74.7	66.9	51.0	33.4	43.7	52.7E	36.9B	22
23	24.4B	23.0B	22.5B	22.1B	54.9	76.0	64.7	48.4	32.8	43.6	52.6B	36.4B	23
24	24.4B	23.0B	22.5B	22.3B	55.9	75.3	63.6	47.8	35.0	43.9	52.6B	35.9B	24
25	24.3B	23.0B	22.5B	22.5B	56.7	77.5	64.6	48.2	32.7	43.3	52.5B	35.5B	25
26	24.2B	22.9B	22.5B	22.9B	56.8	79.5	64.8	47.2	30.8	41.5	52.3B	35.1B	26
27	24.2B	22.9B	22.5B	23.9B	57.2	79.9	64.4	46.7	29.5	41.9	52.0B	34.7B	27
28	24.1B	22.9B	22.4B	24.8B	56.5	81.4	63.5	46.4	33.5	43.0	51.7B	34.4B	28
29	24.0B		22.4B	25.7B	56.5	81.1	62.4	45.5	35.4	42.5	51.2B	34.0B	29
30	24.0B		22.4B	26.8B	57.5	81.7	58.4	41.4	35.1	44.3	50.8B	33.8B	30
31	23.9B		22.4B		57.9		59.1	43.4		47.9		33.6B	31
TOTAL	773.9	651.5	701.0	678.7	1 442.4	1 925.2	2 238.7	1 664.2	1 128.0	1 228.1	1 526.9	1 267.5	TOTAL
MEAN	25.0	23.3	22.6	22.6	46.5	64.2	72.2	53.7	37.6	39.6	50.9	40.9	MEAN
MAX	26.5	23.8	22.9	26.8	57.9	81.7	86.2	62.1	43.9	47.9	52.7	50.3	MAX
MIN	23.9	22.9	22.4	22.0	28.0	51.8	58.4	41.4	29.5	31.8	46.3	33.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 41.7
MAXIMUM DAILY, 86.2 ON JUL 9
MINIMUM DAILY, 22.0B ON APR 18
MAXIMUM INSTANTANEOUS,
89.1 AT 17:08 CST ON JUL 9

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 23 N
LONG 95 07 12 W
DRAINAGE AREA, 8 880 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	66 900	JUL	193 000
FEB	56 300	AUG	144 000
MAR	60 600	SEP	97 500
APR	58 600	OCT	106 000
MAY	125 000	NOV	132 000
JUN	166 000	DEC	110 000

TOTAL DISCHARGE, 1 320 000 dam³

HESPELER FLOODWAY NEAR ROSENFELD - STATION NO. 05OC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.835B	0.149B	0	0.812	0.006	0	0	0	---	---	1
2	---	---	0.657B	0.137B	0	0.654	0.004	0	0	0	---	---	2
3	---	---	0.479B	0.127B	0	0.516	0.006	0	0	0	---	---	3
4	---	---	0.300B	0.115B	0	0.398	0.004	0	0	0	---	---	4
5	---	---	0.122B	0.108A	0	0.298	0.002	0	0	0	---	---	5
6	---	---	0.111B	0.084A	0	0.225	0.003	0	0	0	---	---	6
7	---	---	0.102B	0.059	0	0.213	0.003	0	0	0	---	---	7
8	---	---	0.102B	0.049	0	0.187	0.001	0	0	0	---	---	8
9	---	---	0.099B	0.038	0	0.134	0.001	0	0	0	---	---	9
10	---	---	0.114B	0.031	0	0.081	0.001	0	0	0	---	---	10
11	---	---	0.251B	0.017	0	0.042	0.001	0	0	0	---	---	11
12	---	---	0.388B	0.014	0	0.027	0.003	0	0	0	---	---	12
13	---	---	0.525B	0.012	0	0.026	0.002	0	0	0	---	---	13
14	---	---	0.662B	0.010	0	0.022	0.003	0	0	0.002	---	---	14
15	---	---	0.799B	0.010	0	0.021	0.007	0	0	0	---	---	15
16	---	---	0.761B	0.011	0	0.020	0.007	0	0	0	---	---	16
17	---	---	0.723B	0.012	0	0.015	0.007	0	0	0	---	---	17
18	---	---	0.684B	0.014	0	0.006	0.006	0	0	0	---	---	18
19	---	---	0.646B	0.016	0	0.006	0.004	0	0	0	---	---	19
20	---	---	0.604B	0.016	0	0.010	0.001	0	0	0	---	---	20
21	---	---	0.561B	0.018	0	0.007	0	0	0	0 B	---	---	21
22	---	---	0.519B	0.018	0	0.004	0	0	0	0.001B	---	---	22
23	---	---	0.476B	0.013	0	0.003	0	0	0	0.001B	---	---	23
24	---	---	0.434B	0.007	0	0.008	0	0	0	0.001B	---	---	24
25	---	---	0.391B	0.003	0.832	0.006	0	0	0	0.001B	---	---	25
26	---	1.37B	0.349B	0.001	2.23	0.004	0	0	0	0.001B	---	---	26
27	---	---	0.306B	0	1.37	0.004	0	0	0	0.001B	---	---	27
28	---	---	0.291B	0	1.06	0.003	0	0	0	0.001B	---	---	28
29	---		0.244B	0	1.28	0.003	0	0	0	0.001B	---	---	29
30	---		0.170B	0	1.22	0.005	0	0.001	0	0.001B	---	---	30
31	---		0.158B		0.974		0	0.002		0.001		---	31
TOTAL	---	---	12.863	1.089	8.966	3.760	0.072	0.003	0	0.012	---	---	TOTAL
MEAN	---	---	0.415	0.036	0.289	0.125	0.002	0	0	0	---	---	MEAN
MAX	---	---	0.835	0.149	2.23	0.812	0.007	0.002	0	0.002	---	---	MAX
MIN	---	---	0.099	0	0	0.003	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 2.23 ON MAY 26
MINIMUM DAILY, 0 ON APR 27
MAXIMUM INSTANTANEOUS,
2.77 AT 01:55 CST ON MAY 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.22
FEB	---	AUG	0.26
MAR	1 110	SEP	0
APR	94.1	OCT	1.04
MAY	775	NOV	---
JUN	325	DEC	---

TOTAL DISCHARGE, 2 310 dam³

HIDDEN ISLAND COULEE NEAR HANSBORO - STATION NO. 05OA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.311B	0.034E	0.002	0.054	0.011	0	0	0	0	0B	1
2	0B	0 B	0.283B	0.028E	0.002	0.042	0.008	0	0	0	0	0B	2
3	0B	0 B	0.255B	0.025E	0.002	0.013	0.005	0	0	0	0	0B	3
4	0B	0 B	0.241B	0.023E	0.002	0.006	0.004	0	0	0	0	0B	4
5	0B	0 B	0.227B	0.021E	0.002	0.013	0.003	0	0	0	0	0B	5
6	0B	0 B	0.198B	0.020E	0.002	0.014	0.002	0	0	0	0	0B	6
7	0B	0 B	0.184B	0.017E	0.002	0.010	0	0	0	0	0	0B	7
8	0B	0 B	0.176B	0.014A	0.002	0.007	0	0	0	0	0E	0B	8
9	0B	0 B	0.170B	0.010	0.002	0.006	0	0	0	0	0E	0B	9
10	0B	0 B	0.164B	0.007	0.002	0.005	0	0	0	0	0E	0B	10
11	0B	0 B	0.156B	0.005	0.002	0.004	0	0	0	0	0E	0B	11
12	0B	0 B	0.147B	0.004	0.002	0.003	0	0	0	0	0E	0B	12
13	0B	0 B	0.142B	0.003	0.001	0.003	0	0	0	0	0E	0B	13
14	0B	0 B	0.136B	0.003	0.001	0.004	0	0	0	0	0E	0B	14
15	0B	0 B	0.130B	0.003	0.001	0.004	0	0	0	0	0E	0B	15
16	0B	0 B	0.125E	0.002	0.001	0.003	0	0	0	0	0E	0B	16
17	0B	0 B	0.119E	0.002	0.001	0.003	0	0	0	0	0E	0B	17
18	0B	0.057B	0.113E	0.002	0.001	0.003	0	0	0	0	0E	0B	18
19	0B	0.283B	0.108E	0.002	0.001	0.002	0	0	0	0	0E	0B	19
20	0B	0.566B	0.102E	0.001	0.001	0.001	0	0	0	0	0E	0B	20
21	0B	1.81 B	0.096E	0.002	0.001	0.002	0	0	0	0	0E	0B	21
22	0B	1.56 B	0.091E	0.002	0.002	0.006	0	0	0	0	0E	0B	22
23	0B	0.963B	0.085E	0.002	0.005	0.024	0	0	0	0	0	0B	23
24	0B	1.10 B	0.079E	0.002	0.396	0.227	0	0	0	0	0	0B	24
25	0B	1.10 B	0.074E	0.002	0.396	0.311	0	0	0	0	0	0B	25
26	0B	0.765B	0.068E	0.002	0.311	0.272	0	0	0	0	0	0B	26
27	0B	0.453B	0.062E	0.002	0.235	0.198	0	0	0	0	0	0B	27
28	0B	0.340B	0.057E	0.003	0.204	0.181	0	0	0	0	0	0B	28
29	0B		0.051E	0.003	0.159	0.122	0	0	0	0	0	0B	29
30	0B		0.045E	0.003	0.110	0.062	0	0	0	0	0	0B	30
31	0B		0.040E		0.071		0	0		0		0B	31
TOTAL	0	8.997	4.235	0.249	1.922	1.605	0.033	0	0	0	0	0	TOTAL
MEAN	0	0.321	0.137	0.008	0.062	0.054	0.001	0	0	0	0	0	MEAN
MAX	0	1.81	0.311	0.034	0.396	0.311	0.011	0	0	0	0	0	MAX
MIN	0	0	0.040	0.001	0.001	0.001	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 1.81B ON FEB 21
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
2.69B AT 20:45 CST ON FEB 21

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 99 25 35 W
DRAINAGE AREA, 68.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	2.85
FEB	777	AUG	0
MAR	366	SEP	0
APR	21.5	OCT	0
MAY	166	NOV	0
JUN	139	DEC	0

TOTAL DISCHARGE, 1 470 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO. 05SC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.476B	3.35	0.695	0.695	0.409	0.650	2.74	0.947	---	---	1
2	---	---	0.476B	1.96	0.721	0.647	0.389	0.698	3.93	1.06	---	---	2
3	---	---	0.360B	1.78	0.716	0.599	0.499	0.524	2.01	1.04	---	---	3
4	---	---	0.253B	1.75	0.697	0.540	0.525	0.408	1.26	1.25	---	---	4
5	---	---	0.183B	1.67	0.668	0.767	0.389	0.346	0.958	3.63	---	---	5
6	---	---	0.128B	1.69	0.654	0.614	0.318	0.391	1.47	4.04	---	---	6
7	---	---	0.101B	1.58	0.568	0.485	0.258	0.934	4.34	3.13	---	---	7
8	---	---	0.073B	1.48	0.486	0.454	0.192	0.985	4.87	2.26	---	---	8
9	---	---	0.076B	1.51	0.529	0.432	0.139	1.15	2.71	1.85	---	---	9
10	---	---	0.072B	1.25	0.495	0.450	0.112	1.04	1.66	1.62	---	---	10
11	---	---	0.090B	1.09	0.462	0.430	0.125	0.753	1.19	1.47	---	---	11
12	---	---	0.187B	1.04	0.460	0.379	0.185	0.586	0.889	1.51	---	---	12
13	---	---	0.179B	0.905	0.446	0.226	0.210	0.484	0.732	2.39	---	---	13
14	---	---	0.278B	0.890	0.437	0.228	0.210	0.406	0.591	3.20	---	---	14
15	---	---	0.540B	0.504	0.423	0.706	0.233	0.347	0.482	2.81	---	---	15
16	---	---	1.09 B	0.632	0.441	1.23	0.226	0.303	0.415	2.33	---	---	16
17	---	---	1.39 B	0.678	0.444	1.52	0.243	0.285	0.380	2.08	---	---	17
18	---	---	1.81 B	0.717	0.450	1.37	0.265	0.273	0.331	2.61	---	---	18
19	---	---	2.39 B	0.609	0.457	2.11	0.272	0.264	0.320	2.90	---	---	19
20	---	---	1.84 B	0.585	0.420	1.78	0.267	0.256	0.305	2.67	---	---	20
21	---	---	1.38 B	0.560	0.405	1.38	0.256	0.265	0.286	2.22	---	---	21
22	---	---	1.44 B	0.573	0.407	1.04	0.251	0.357	0.278	1.80	---	---	22
23	---	---	1.65 B	0.596	0.506	0.799	0.254	0.372	0.258	1.30	---	---	23
24	---	---	1.78 B	0.589	0.693	0.709	0.271	0.330	0.256	1.32	---	---	24
25	---	---	1.79 B	0.612	0.890	0.626	0.251	0.303	0.281	1.31	---	---	25
26	---	---	1.62 B	0.674	0.994	0.562	0.261	0.263	0.390	1.23	---	---	26
27	---	---	1.59 B	0.696	0.961	0.523	0.266	0.248	0.839	1.16	---	---	27
28	---	---	2.08 B	0.658	0.896	0.494	0.256	0.228	1.21	1.14	---	---	28
29	---		3.61 B	0.626	0.798	0.467	0.237	0.216	1.09	1.25	---	---	29
30	---		4.88 B	0.664	0.843	0.445	0.254	0.198	0.975	1.57	---	---	30
31	---		5.12 B		0.813		0.277	0.410		1.57 E		---	31
TOTAL	---	---	38.932	31.918	18.875	22.707	8.300	14.233	37.448E	60.667	---	---	TOTAL
MEAN	---	---	1.26	1.06	0.609	0.757	0.268	0.459	1.25	1.96	---	---	MEAN
MAX	---	---	5.12	3.35	0.994	2.11	0.525	1.15	4.87	4.04	---	---	MAX
MIN	---	---	0.072	0.504	0.405	0.226	0.112	0.198	0.256	0.947	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.951
MAXIMUM DAILY, 5.12B ON MAR 31
MINIMUM DAILY, 0.072B ON MAR 10
MAXIMUM INSTANTANEOUS,
5.99 AT 20:45 CST ON SEP 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	717
FEB	---	AUG	1 230
MAR	3 360	SEP	3 240
APR	2 760	OCT	5 240
MAY	1 630	NOV	---
JUN	1 960	DEC	---

TOTAL DISCHARGE, 20 100 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO. 04AC002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	227.802	227.799	227.936	228.174	---	228.077	227.986	228.067	228.132	1
2	---	---	---	227.803	227.810	227.943	228.181	---	228.077	227.992	228.075	228.130	2
3	---	---	---	227.801	227.812	227.947	228.182	---	228.040	227.987	228.079	228.130	3
4	---	---	---	227.800	227.818	227.948	228.182	---	228.055	227.993	228.076	228.131	4
5	---	---	---	227.802	227.826	227.949	228.183	---	228.054	227.989	228.073	228.132	5
6	---	---	---	227.803	227.834	227.947	228.184	---	228.039	227.994	228.084	228.133	6
7	---	---	---	227.800	227.841	227.950	228.189A	---	228.028	227.999	228.078	228.122	7
8	---	---	---	227.794	227.843	227.948	---	---	228.025	228.006	228.067	228.121	8
9	---	---	---	227.791	227.847	227.948	---	---	228.025	228.015	228.088	228.120	9
10	---	---	---	227.788	227.855	227.948	---	---	228.026	228.014	228.091	228.119	10
11	---	---	---	227.792	227.861	227.952	---	228.160A	228.007	228.019	228.099	228.124	11
12	---	---	---	227.795	227.869	227.955	---	228.148	228.011	228.027	228.104	228.118	12
13	227.968A	---	---	227.787	227.875	227.963	---	228.142	228.003	228.021	228.102	228.119	13
14	---	---	---	227.788	227.875	227.965	---	228.128	227.993	228.021	228.108	228.115	14
15	---	---	---	227.794	227.876	227.989	---	228.130	227.988	228.029	228.111	228.106	15
16	---	---	---	227.794	227.880	228.009	---	228.126	227.987	228.036	228.119	228.102	16
17	---	---	---	227.787	227.884	228.029	---	228.124	227.985	228.035	228.118	228.102	17
18	---	---	---	227.783	227.892	228.043	---	228.125	227.976	228.028	228.119	228.102	18
19	---	---	---	227.779	227.897	228.066	---	228.128	227.968	228.033	228.120	228.108	19
20	---	---	---	227.782	227.904	228.084	---	228.129	227.968	228.024	228.121	228.109	20
21	---	---	---	227.785	227.907	228.088	---	228.121	227.965	228.030	228.128	228.104	21
22	---	---	---	227.789	227.900	228.097	---	228.119	227.964	228.029	228.128	228.100	22
23	---	---	---	227.790	227.911	228.110	---	228.118	227.952	228.033	228.132	228.091	23
24	---	---	---	227.790	227.917	228.125	---	228.107	227.941	228.031	228.131	228.092	24
25	---	---	227.823A	227.790	227.922	228.130	---	228.099	227.944	228.030	228.132	228.090	25
26	---	---	227.819	227.790	227.926	228.134	---	228.093	227.963	228.038	228.134	228.093	26
27	---	---	227.818	227.792	227.929	228.148	---	228.090	227.969	228.042	228.131	228.084	27
28	---	---	227.820	227.793	227.931	228.155	---	228.088	227.982	228.050	228.132	228.076A	28
29	---		227.818	227.795	227.927	228.156	---	228.081	227.987	228.053	228.133	---	29
30	---		227.815	227.797	227.925	228.165	---	228.073	227.989	228.061	228.133	---	30
31	---		227.813		227.931		---	228.073		228.061		---	31
MEAN	---	---	---	227.793	227.878	228.028	---	---	228.000	228.023	228.107	---	MEAN
MAX	---	---	---	227.803	227.931	228.165	---	---	228.077	228.061	228.134	---	MAX
MIN	---	---	---	227.779	227.799	227.936	---	---	227.941	227.986	228.067	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 227.779 ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 25 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 04AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	59.0E	51.5E	44.8E	39.3	39.0	54.0	83.2	84.0E	70.5	59.5	69.2	77.3	1
2	58.9E	51.3E	44.6E	39.5	40.2	54.8	84.1	83.9E	70.4	60.2	70.2	77.1	2
3	58.8E	51.1E	44.5E	39.2	40.4	55.2	84.3	83.6E	65.8	59.7	70.8	77.1	3
4	58.7E	50.7E	44.3E	39.1	41.1	55.3	84.3	83.5E	67.7	60.4	70.3	77.2	4
5	58.4E	50.4E	44.1E	39.3	41.9	55.4	84.5	83.2E	67.5	59.9	69.9	77.3	5
6	58.3E	50.2E	44.0E	39.4	42.7	55.2	84.6	82.9E	65.7	60.4	71.3	77.4	6
7	58.2E	50.0E	43.7E	39.1	43.6	55.5	84.9E	82.3E	64.3	61.0	70.6	76.1	7
8	58.0E	49.9E	43.5E	38.4	43.7	55.3	85.3E	81.9E	64.0	61.8	69.2	75.9	8
9	57.8E	49.7E	43.4E	38.2	44.2	55.3	85.5E	81.3E	63.9	62.8	71.9	75.8	9
10	57.7E	49.4E	43.2E	37.9	45.0	55.4	85.5E	80.9E	64.1	62.7	72.2	75.7	10
11	57.3E	49.1E	43.1E	38.3	45.7	55.7	85.6E	80.7	61.9	63.2	73.3	76.4	11
12	57.2E	48.9E	42.9E	38.6	46.5	56.1	85.6E	79.4	62.4	64.2	73.9	75.6	12
13	57.0E	48.5E	42.8E	37.7	47.2	57.0	85.6E	78.6	61.5	63.5	73.6	75.7	13
14	56.4E	48.3E	42.7E	37.8	47.2	57.2	85.6E	76.9	60.3	63.5	74.3	75.2	14
15	56.1E	48.0E	42.6E	38.4	47.3	59.9	85.6E	77.1	59.7	64.5	74.7	74.1	15
16	55.9E	47.8E	42.5E	38.5	47.7	62.1	85.6E	76.6	59.7	65.3	75.7	73.6	16
17	55.5E	47.6E	42.3E	37.7	48.2	64.4	85.8E	76.3	59.4	65.2	75.6	73.6	17
18	55.4E	47.2E	42.2E	37.3	49.1	66.2	85.8E	76.5	58.4	64.3	75.8	73.6	18
19	55.2E	47.1E	42.1E	36.9	49.6	69.1	85.9E	76.8	57.5	64.9	75.8	74.3	19
20	54.9E	46.9E	42.0E	37.1	50.4	71.3	85.9E	77.0	57.5	63.9	75.9	74.4	20
21	54.5E	46.7E	41.9E	37.5	50.8	71.8	85.9E	75.9	57.2	64.6	76.3	73.9	21
22	54.3E	46.4E	41.8E	38.0	50.0	72.9	85.9E	75.7	57.1	64.4	76.8	73.3	22
23	54.1E	46.2E	41.7E	38.1	51.2	74.6	85.8E	75.6	55.8	64.9	77.3	72.2	23
24	53.8E	46.0E	41.6E	38.0	51.8	76.5	85.6E	74.2	54.5	64.7	77.2	72.3	24
25	53.4E	45.8E	41.4E	38.0	52.5	77.0	85.5E	73.2	54.9	64.6	77.3	72.0	25
26	53.2E	45.6E	41.2	38.1	52.9	77.6	85.3E	72.5	57.0	65.6	77.6	72.4	26
27	52.9E	45.4E	41.0	38.3	53.2	79.5	85.3E	72.1	57.7	66.1	77.3	71.4	27
28	52.7E	45.0E	41.2	38.4	53.4	80.4	85.2E	71.8	59.1	67.1	77.3	72.1	28
29	52.3E		41.1	38.6	53.0	80.6	84.9E	70.9	59.7	67.4	77.5	71.6E	29
30	52.1E		40.7	38.8	52.7	81.9	84.6E	70.0	59.9	68.4	77.4	71.7E	30
31	51.8E		40.5		53.4		84.3E	70.0		68.5		71.8E	31
TOTAL	1 729.8	1 350.7	1 319.4	1 149.5	1 475.6	1 943.2	2 641.5	2 405.3	1 835.1	1 977.2	2 226.2	2 308.1	TOTAL
MEAN	55.8	48.2	42.6	38.3	47.6	64.8	85.2	77.6	61.2	63.8	74.2	74.5	MEAN
MAX	59.0	51.5	44.8	39.5	53.4	81.9	85.9	84.0	70.5	68.5	77.6	77.4	MAX
MIN	51.8	45.0	40.5	36.9	39.0	54.0	83.2	70.0	54.5	59.5	69.2	71.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.3
MAXIMUM DAILY, 85.9E ON JUL 19
MINIMUM DAILY, 36.9 ON APR 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 39 34 W
DRAINAGE AREA, 14 000 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	149 000	JUL	228 000
FEB	117 000	AUG	208 000
MAR	114 000	SEP	159 000
APR	99 300	OCT	171 000
MAY	127 000	NOV	192 000
JUN	168 000	DEC	199 000

TOTAL DISCHARGE, 1 930 000 dam³

JACKSON CREEK NEAR MELITA - STATION NO. 05NF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	0	0	0	0	0	0	---	---	1
2	---	---	0B	0	0	0	0	0	0	0	---	---	2
3	---	---	0B	0	0	0	0	0	0	0	---	---	3
4	---	---	0B	0	0	0	0	0	0	0	---	---	4
5	---	---	0B	0	0	0	0	0	0	0	---	---	5
6	---	---	0B	0	0	0	0	0	0	0	---	---	6
7	---	---	0B	0	0	0	0	0	0	0	---	---	7
8	---	---	0B	0	0	0	0	0	0	0	---	---	8
9	---	---	0B	0	0	0	0	0	0	0	---	---	9
10	---	---	0B	0	0	0	0	0	0	0	---	---	10
11	---	---	0B	0	0	0	0	0	0	0	---	---	11
12	---	---	0B	0	0	0	0	0	0	0	---	---	12
13	---	---	0B	0	0	0	0	0	0	0	---	---	13
14	---	---	0B	0	0	0	0	0	0	0	---	---	14
15	---	---	0B	0	0	0	0	0	0	0	---	---	15
16	---	---	0B	0	0	0	0	0	0	0	---	---	16
17	---	---	0B	0	0	0	0	0	0	0	---	---	17
18	---	---	0B	0	0	0	0	0	0	0	---	---	18
19	---	---	0B	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 100 57 50 W
DRAINAGE AREA, 451 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

JORDAN CREEK NEAR PLUMAS - STATION NO. 05LL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.014B	0.005	0.007	0.060	0	0.004E	0 E	---	---	1
2	---	---	0 B	0.013B	0.005	0.006	0.047	0	0 A	0 E	---	---	2
3	---	---	0 B	0.011B	0.004	0.006	0.040	0	0	0 E	---	---	3
4	---	---	0 B	0.013B	0.005	0.012	0.035	0	0	0 E	---	---	4
5	---	---	0 B	0.007	0.008	0.017	0.029	0	0	0 E	---	---	5
6	---	---	0 B	0.005	0.008	0.016	0.026	0.001	0.001	0 E	---	---	6
7	---	---	0 B	0.005	0.028	0.011	0.023	0	0	0 E	---	---	7
8	---	---	0 B	0.003	0.016	0.009	0.019	0	0	0 E	---	---	8
9	---	---	0 B	0.001	0.003	0.008	0.015	0	0	0.002A	---	---	9
10	---	---	0 B	0	0.002	0.009	0.013	0	0 A	0.004	---	---	10
11	---	---	0 B	0.001	0.002	0.009	0.013	0	0	0.005	---	---	11
12	---	---	0 B	0	0.002	0.009	0.011	0	0	0.011	---	---	12
13	---	---	0 B	0.002	0.002	0.011	0.009	0	0	0.019	---	---	13
14	---	---	0 B	0.002	0.002	0.018	0.006	0	0 A	0.015	---	---	14
15	---	---	0 B	0.002	0.003	0.023	0.009	0	0 E	0.010	---	---	15
16	---	---	0.001B	0.002	0.002	0.022	0.017	0	0 E	0.007	---	---	16
17	---	---	0.001B	0.001	0.002	0.024	0.019	0	0 E	0.008	---	---	17
18	---	---	0.001B	0.001	0.002	0.036	0.017	0	0 E	0.008	---	---	18
19	---	---	0.001B	0.001	0.002	0.033	0.016	0	0 E	0.005	---	---	19
20	---	---	0.001B	0.002	0.002	0.031	0.012	0	0 E	0.004	---	---	20
21	---	---	0.001B	0.004	0.002	0.030	0.010	0	0 E	0.003	---	---	21
22	---	---	0.001B	0.004	0.005	0.036	0.006	0	0 E	0.003	---	---	22
23	---	---	0.001B	0.003	0.007	0.055	0.006	0	0 E	0.003	---	---	23
24	---	---	0.001B	0.003	0.009	0.099	0.005	0 A	0 E	0.003	---	---	24
25	---	---	0.002B	0.004	0.007	0.095	0.003	0 E	0 E	0.003	---	---	25
26	---	---	0.002B	0.005	0.005	0.074	0	0 E	0 E	0.003	---	---	26
27	---	---	0.004B	0.005	0.003	0.082	0	0 E	0 E	0.004	---	---	27
28	---	---	0.006B	0.004	0.002	0.104	0	0 E	0 E	0.004	---	---	28
29	---		0.007B	0.005	0.016	0.090	0	0 E	0 E	0.004	---	---	29
30	---		0.009B	0.004	0.018	0.076	0	0 E	0 E	0.003	---	---	30
31	---		0.012B		0.009		0	0.006E		0.005		---	31
TOTAL	---	---	0.051	0.127	0.184	1.058	0.466	0.007	0.005	0.136	---	---	TOTAL
MEAN	---	---	0.002	0.004	0.006	0.035	0.015	0	0	0.004	---	---	MEAN
MAX	---	---	0.012	0.014	0.024	0.104	0.060	0.006	0.004	0.019	---	---	MAX
MIN	---	---	0	0	0.002	0.006	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.104 ON JUN 28
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 25 N
LONG 99 02 44 W
DRAINAGE AREA, 49.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.3
FEB	---	AUG	0.60
MAR	4.81	SEP	0.43
APR	11.0	OCT	11.8
MAY	15.9	NOV	---
JUN	91.4	DEC	---

TOTAL DISCHARGE, 176 dam³

JOUBERT CREEK AT ST. PIERRE-JOLYS - STATION NO. 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.149B	0.429	0.097	0.105	0.247	0	0	0.017	---	---	1
2	---	---	0.123B	0.418	0.111	0.066	0.157	0.004	0	0.028	---	---	2
3	---	---	0.097B	0.381	0.090	0.035	0.107	0.001	0	0.074	---	---	3
4	---	---	0.063B	0.408	0.060	0.020	0.061	0.001	0	0.098	---	---	4
5	---	---	0.042B	0.372	0.046	0.025	0.049	0.005	0	0.039	---	---	5
6	---	---	0.036B	0.298	0.044	0.038	0.022	0.025	0.010A	0.053	---	---	6
7	---	---	0.028B	0.247	0.057	0.012	0.028	0.024	0.006	0.031	---	---	7
8	---	---	0.029B	0.207	0.042	0.008	0.025	0.010	0	0.016	---	---	8
9	---	---	0.030B	0.188	0.043	0.007	0.007	0.002	0	0.015	---	---	9
10	---	---	0.035B	0.201	0.041	0.011	0.003	0.001	0	0.019	---	---	10
11	---	---	0.044B	0.164	0.033	0.004	0.028	0	0	0.019	---	---	11
12	---	---	0.063B	0.127	0.036	0	0.021	0	0	0.045	---	---	12
13	---	---	0.087B	0.117	0.031	0	0.007	0	0	0.210	---	---	13
14	---	---	0.100B	0.123	0.025	0	0.007	0	0	0.204	---	---	14
15	---	---	0.118B	0.096	0.031	0.003	0.006	0 A	0	0.058	---	---	15
16	---	---	0.123B	0.115	0.025	0.011	0.007	0 A	0	0.104	---	---	16
17	---	---	0.123B	0.136	0.024	0.009	0.015	0 A	0	0.215	---	---	17
18	---	---	0.115B	0.148	0.018	0.006	0.004	0	0	0.206	---	---	18
19	---	---	0.102B	0.128	0.015	0.003	0.002	0	0	0.214	---	---	19
20	---	---	0.097B	0.103	0.011	0.001	0.001	0	0	0.179	---	---	20
21	---	---	0.115B	0.131	0.009	0.003	0.001	0	0	0.133	---	---	21
22	---	---	0.152B	0.173	0.015	0.002	0	0	0	0.116	---	---	22
23	---	---	0.183B	0.139	0.062	0.004	0	0	0.002A	0.088	---	---	23
24	---	---	0.202B	0.119	0.378	0.031	0	0	0 A	0.115	---	---	24
25	---	---	0.216B	0.117	0.424	0.007	0	0	0	0.131	---	---	25
26	---	---	0.230B	0.145	0.285	0.010	0	0	0.001	0.122	---	---	26
27	---	---	0.180B	0.136	0.218	0.186	0	0	0	0.116	---	---	27
28	---	---	0.261B	0.116	0.434	0.490	0	0	0 A	0.130	---	---	28
29	---		0.412B	0.090	0.664	0.135	0	0	0	0.117	---	---	29
30	---		0.505B	0.070	0.338	0.139	0.016	0	0.009A	0.105A	---	---	30
31	---		0.492A		0.197		0.009	0		0.095E		---	31
TOTAL	---	---	4.552	5.642	3.904	1.371	0.830	0.073	0.028	3.108	---	---	TOTAL
MEAN	---	---	0.147	0.188	0.126	0.046	0.027	0.002	0.001	0.100	---	---	MEAN
MAX	---	---	0.505	0.429	0.664	0.490	0.247	0.025	0.010	0.215	---	---	MAX
MIN	---	---	0.028	0.070	0.009	0	0	0	0	0.015	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 0.664 ON MAY 29
MINIMUM DAILY, 0 ON JUN 12
MAXIMUM INSTANTANEOUS,
0.894 AT 04:03 CST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 26 N
LONG 96 59 23 W
DRAINAGE AREA, 311 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	71.7
FEB	---	AUG	6.31
MAR	393	SEP	2.42
APR	487	OCT	269
MAY	337	NOV	---
JUN	118	DEC	---

TOTAL DISCHARGE, 1 680 dam³

KENTON CREEK AT KENTON - STATION NO. 05MG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0	0	0	0	0	0	0	---	---	1
2	---	---	0.002B	0	0	0	0	0	0	0	---	---	2
3	---	---	0.002B	0	0	0	0	0	0	0	---	---	3
4	---	---	0.002B	0	0	0	0	0	0	0	---	---	4
5	---	---	0.001B	0	0	0	0	0	0	0	---	---	5
6	---	---	0.001B	0	0	0	0	0	0	0	---	---	6
7	---	---	0.003B	0	0	0	0	0	0	0	---	---	7
8	---	---	0.002B	0	0	0	0	0	0	0	---	---	8
9	---	---	0.004B	0	0	0	0	0	0	0	---	---	9
10	---	---	0.009B	0	0	0	0	0	0	0	---	---	10
11	---	---	0.016B	0	0	0	0	0	0	0	---	---	11
12	---	---	0.037B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.025B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.038B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.022B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.027B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.014B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.011B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.011B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.009B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.008B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.005B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.003B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.002B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.001A	0	0	0	0	0	0	0	---	---	25
26	---	---	0.001A	0	0	0	0	0	0	0	---	---	26
27	---	---	0.001A	0	0	0	0	0	0	0	---	---	27
28	---	---	0.001A	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0		0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.259	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.008	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.038	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.038B ON MAR 14
MINIMUM DAILY, 0 ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 100 36 39 W
DRAINAGE AREA, 45.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	22.4	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 22.4 dam³

KETTLE RIVER NEAR GILLAM - STATION NO. 05UP004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.23B	2.80B	1.77B	1.45 B	1.12	39.8	22.1	9.56	6.25	5.04	22.0 B	5.27B	1
2	4.23B	2.75B	1.75B	1.43 B	1.46	37.6	20.9	9.97	6.38	4.85	20.6 B	5.01B	2
3	4.23B	2.70B	1.73B	1.42 B	1.83	35.4	18.8	10.7	6.43	5.14	18.8 B	4.75B	3
4	4.23B	2.59B	1.70B	1.42 B	2.56	33.6	17.9	10.6	5.51	5.25	17.5 B	4.62B	4
5	4.23B	2.52B	1.66B	1.42 B	3.65	31.2	16.5	11.2	5.53	5.03	16.3 B	4.49B	5
6	4.23B	2.45B	1.62B	1.42 B	5.38	29.2	14.7	11.3	5.83	5.35	15.5 B	4.36B	6
7	4.23B	2.33B	1.59B	1.40 B	6.99	27.2	14.3	11.5	5.45	5.53	14.8 B	4.23B	7
8	4.23B	2.26B	1.59B	1.38 B	8.28	26.2	13.9	11.5	5.13	5.71	14.2 B	4.10B	8
9	4.23B	2.19B	1.59B	1.30 B	10.6	24.0	13.3	11.1	5.01	5.84	13.7 B	3.97B	9
10	4.20B	2.10B	1.59B	1.23 B	12.4	22.9	12.1	11.3	5.04	6.20	13.1 B	3.84B	10
11	4.20B	2.01B	1.59B	1.15 B	21.1	22.4	11.1	11.3	4.84	6.64	12.5 B	3.71B	11
12	4.20B	1.97B	1.59B	1.10 B	50.8	21.6	10.7	10.7	4.86	8.44	12.0 B	3.58B	12
13	4.20B	1.95B	1.59B	1.09 B	84.3	20.8	10.4	10.5	4.69	14.8	11.2 B	3.46B	13
14	4.17B	1.90B	1.59B	1.07 B	87.6	19.9	9.54	11.3	4.43	19.5	10.7 B	3.34B	14
15	4.17B	1.88B	1.62B	1.04 B	81.5	18.1	8.93	11.0	3.94	22.4	10.2 B	3.23B	15
16	4.12B	1.86B	1.62B	1.01 B	84.5	17.1	7.69	10.9	4.24	25.7	9.89B	3.23B	16
17	4.07B	1.86B	1.62B	0.986B	85.4	17.0	6.83	11.5	4.34	29.6	9.40B	3.23B	17
18	3.97B	1.86B	1.62B	0.949B	94.1	19.1	6.44	10.9	4.38	30.4	8.92B	3.11B	18
19	3.89B	1.84B	1.62B	0.922	97.4	25.5	6.42	10.7	4.23	31.4	8.59B	3.11B	19
20	3.81B	1.84B	1.62B	0.954	93.3	28.1	5.86	9.92	3.83	33.2	8.11B	3.11B	20
21	3.72B	1.84B	1.62B	0.948	90.4	29.2	5.58	9.61	3.90	38.1	7.79B	2.99B	21
22	3.63B	1.84B	1.64B	0.940	86.9	29.6	4.99	9.17	4.19	42.9	7.51B	2.99B	22
23	3.58B	1.84B	1.66B	0.915	80.8	29.2	4.62	8.39	4.39	43.4	7.23B	2.87B	23
24	3.51B	1.84B	1.68B	0.950	75.4	28.9	5.45	7.52	4.53	29.8	6.95B	2.87B	24
25	3.42B	1.81B	1.68B	0.981	70.0	28.0	5.87	7.38	4.22	31.6	6.67B	2.75B	25
26	3.32B	1.81B	1.68B	1.03	64.5	26.8	7.18	7.07	4.16	32.8	6.39B	2.75B	26
27	3.25B	1.79B	1.66B	0.984	60.5	26.4	7.43	6.55	4.40	35.2	6.11B	2.75B	27
28	3.20B	1.79B	1.64B	0.998	54.5	26.3	7.64	6.40	3.80	41.7	5.83B	2.75B	28
29	3.11B		1.62B	1.05	50.3	24.3	7.74	6.44	3.97	41.7	5.69B	2.75B	29
30	2.96B		1.57B	1.11	46.2	23.1	7.89	5.87	4.61	26.2 B	5.41B	2.70B	30
31	2.89B		1.49B		42.5		7.77	6.49		23.8 B		2.68B	31
TOTAL	119.66	58.22	50.61	34.047	1 556.27	788.5	320.57	298.34	142.51	663.22	333.59	108.60	TOTAL
MEAN	3.86	2.08	1.63	1.13	50.2	26.3	10.3	9.62	4.75	21.4	11.1	3.50	MEAN
MAX	4.23	2.80	1.77	1.45	97.4	39.8	22.1	11.5	6.43	43.4	22.0	5.27	MAX
MIN	2.89	1.79	1.49	0.915	1.12	17.0	4.62	5.87	3.80	4.85	5.41	2.68	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.3
MAXIMUM DAILY, 97.4 ON MAY 19
MINIMUM DAILY, 0.915 ON APR 23
MAXIMUM INSTANTANEOUS,
98.8 AT 07:30 CST ON MAY 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 960 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 300	JUL	27 700
FEB	5 030	AUG	25 800
MAR	4 370	SEP	12 300
APR	2 940	OCT	57 300
MAY	134 000	NOV	28 800
JUN	68 100	DEC	9 380

TOTAL DISCHARGE, 386 000 dam³

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05OA803

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	492.175E	492.158	---	492.510	492.415E	492.406E	492.426	492.363E	492.410E	---	492.263	492.259E	1
2	492.176E	492.158E	492.413E	---	492.415E	492.406E	492.421E	492.366	492.410	---	---	492.258E	2
3	492.177E	492.158E	492.417E	---	492.415	492.406	492.416E	492.375E	492.412E	---	---	492.258	3
4	492.178	492.158	492.420	---	492.415E	492.406E	492.411E	492.385E	492.415E	492.403	---	492.258E	4
5	492.178E	492.156E	---	---	492.415E	492.406E	492.406	492.395	492.417E	492.403E	492.263	492.258E	5
6	492.178E	492.155E	---	---	492.415	492.406E	492.393E	---	492.420	492.403E	492.263E	492.258	6
7	492.178	492.154E	---	---	492.412E	492.406	492.381E	---	492.417E	492.403	492.263	492.258E	7
8	492.178E	492.153	---	---	492.410E	492.406E	492.368E	---	492.413E	---	492.263	492.258E	8
9	492.178E	492.153E	---	492.475	492.407E	492.406E	492.356	492.390	492.410	---	492.260E	492.258	9
10	492.178E	492.153E	---	492.468E	492.405	492.406	492.369E	492.386E	492.407E	---	492.256E	492.258E	10
11	492.178	492.153	---	492.461E	492.403E	492.408E	492.382E	492.383E	492.405E	492.373	492.253	492.258E	11
12	492.178E	492.150E	---	492.455	492.401E	492.411E	492.396	492.380	492.402E	492.366E	---	492.258E	12
13	492.178E	492.148E	---	492.445E	492.400	492.413E	492.396E	---	492.400	492.359E	---	492.258	13
14	492.178	492.145E	---	492.435	492.401E	492.416	492.396	---	492.396E	492.353	---	492.254E	14
15	492.175E	492.143	---	492.435	492.402E	492.416E	492.386E	---	492.393E	---	492.243	492.251E	15
16	492.173E	---	---	492.432E	492.404E	492.416E	492.376E	492.370	492.390	---	492.243E	492.248	16
17	492.170E	---	---	492.430E	492.405	492.416	492.366	492.363E	492.390E	---	492.243E	492.248E	17
18	492.168	---	---	492.427E	492.405E	492.418E	492.366E	492.356E	492.390E	492.343	492.243	492.248E	18
19	492.163E	---	---	492.425	492.405E	492.421E	492.366E	492.350	492.390E	492.339E	---	492.248E	19
20	492.158E	---	---	492.425E	492.405	492.423E	492.366	---	492.390	492.336E	---	492.248	20
21	492.153	---	---	492.425E	492.407E	492.426	492.366E	---	492.390E	492.333	---	492.248E	21
22	492.154E	492.303	---	492.425	492.410E	492.429E	492.366E	---	492.390E	---	492.248	492.248E	22
23	492.155E	492.325E	---	492.422E	492.412E	492.432E	492.366E	492.400	492.390	---	492.246E	492.248	23
24	492.156E	492.347E	---	492.420E	492.415	492.436	492.366	---	492.390E	---	492.244E	492.245E	24
25	492.158	492.370	---	492.417E	492.415E	---	492.366E	---	492.390E	492.273	492.242	492.243E	25
26	492.158E	492.380E	---	492.415	492.415E	---	492.366	---	492.390E	492.270E	---	492.240E	26
27	492.158E	492.390E	---	492.415E	492.415	---	492.366	---	492.390	492.266E	---	492.238	27
28	492.158	492.400E	---	492.415E	492.421	---	492.361E	---	---	492.263	---	492.238E	28
29	492.158E		---	492.415	492.416E	---	492.356	---	---	---	---	492.238E	29
30	492.158E		---	492.415E	492.411E	---	492.358E	492.410	---	---	---	492.238	30
31	492.158E		---		492.406		492.361E	492.410E		---		492.239E	31
MEAN	492.168	---	---	---	492.410	---	492.379	---	---	---	---	492.250	MEAN
MAX	492.178	---	---	---	492.421	---	492.426	---	---	---	---	492.259	MAX
MIN	492.153	---	---	---	492.400	---	492.356	---	---	---	---	492.238	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 30 N
LONG 99 40 12 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO. 05UB013

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	213.250	213.186	213.171	213.140	213.190	213.317	213.482	213.414	213.340	213.287	213.358	213.437	1
2	213.240	213.183	213.175	213.140	213.205	213.312	213.492	213.411	213.351	213.292	213.348	213.430	2
3	213.232	213.190	213.172	213.139	213.221	213.307	213.490	213.409	213.356	213.287	213.363	213.436	3
4	213.235	213.186	213.173	213.131	213.225	213.311	213.489	213.415	213.339	213.290	213.365	213.428	4
5	213.239	213.185	213.172	213.130	213.226	213.321	213.488	213.436	213.322	213.299	213.376	213.423	5
6	213.241	213.186	213.175	213.121	213.231	213.312	213.467	213.441	213.317	213.291	213.380	213.408	6
7	213.227	213.180	213.179	213.127	213.233	213.284	213.470	213.443	213.319	213.298	213.380	213.402	7
8	213.240	213.182	213.173	213.124	213.232	213.330	213.532	213.422	213.291	213.288	213.387	213.405	8
9	213.225	213.186	213.174	213 121	213.231	213.328	213.505	213.428	213.311	213.284	213.384	213.403	9
10	213.222	213.172	213.166	213.117	213.231	213.329	213.462	213.432	213.309	213.321	213.381	213.392	10
11	213.236	213.165	213.174	213.119	213.232	213.312	213.457	213.434	213.310	213.332	213.382	213.401	11
12	213.231	213.167	213.163	213.110	213.240	213.320	213.443	213.404	213.298	213.349	213.390	213.400	12
13	213.225	213.172	213.143	213.121	213.234	213.308	213.447	213.425	213.293	213.363	213.391	213.392	13
14	213.227	213.176	213.155	213.120	213.230	213.290	213.432	213.411	213.282	213.366	213.394	213.390	14
15	213.226	213.175	213.149	213.117	213.236	213.292	213.429	213.402	213.252	213.362	213.396	213.392	15
16	213.228	213.168	213.147	213.122	213.244	213.307	213.421	213.398	213.277	213.368	213.393	213.389	16
17	213.222	213.165	213.141	213.120	213.246	213.274	213.436	213.386	213.279	213.362	213.383	213.385	17
18	213.226	213.168	213.137	213.123	213.246	213.377	213.405	213.395	213.264	213.373	213.386	213.383	18
19	213.219	213.161	213.144	213.122	213.258	213.392	213.404	213.395	213.258	213.349	213.382	213.397	19
20	213.225	213.173	213.144	213.122	213.261	213.396	213.420	213.396	213.241	213.352	213.379	213.397	20
21	213.221	213 166	213.148	213.127	213.271	213.397	213.413	213.380	213.252	213.350	213.382	213.414	21
22	213.221	213.163	213.149	213.154	213.259	213.407	213.402	213.386	213.259	213.351	213.381	213.402	22
23	213.216	213.175	213.141	213.150	213.269	213.404	213.399	213.366	213.285	213.358	213.393	213.398	23
24	213.221	213.180	213.152	213.150	213.276	213.415	213.400	213.377	213.275	213.352	213.397	213.395	24
25	213.212	213.172	213.154	213.160	213.293	213.433	213.405	213.370	213.262	213.346	213.402	213.386	25
26	213.208	213.179	213.152	213.166	213.296	213.449	213.398	213.372	213.214	213.347	213.404	213.392	26
27	213.210	213.182	213.131	213.164	213.302	213.474	213.400	213.377	213.301	213.350	213.413	213.389	27
28	213.203	213.178	213.105	213.168	213.294	213.473	213.398	213.375	213.298	213.343	213.419	213.377	28
29	213.200		213.129	213.171	213.293	213.483	213.382	213.363	213.285	213.351	213.419	213.373	29
30	213.189		213.119	213.180	213.313	213.483	213.361	213.325	213.289	213.341	213.420	213.383	30
31	213.195		213.125		213.316		213.399	213.348		213.356		213.372	31
MEAN	213.223	213.176	213.153	213.136	213.253	213.361	213.438	213.398	213.291	213.334	213.388	213.399	MEAN
MAX	213.250	213.190	213.179	213.180	213.316	213.483	213.532	213.443	213.356	213.373	213.420	213.437	MAX
MIN	213.189	213.161	213.105	213.110	213.190	213.274	213.361	213.325	213.214	213.284	213.348	213.372	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 213.297
MAXIMUM DAILY, 213.532 ON JUL 8
MINIMUM DAILY, 213.105 ON MAR 28
MAXIMUM INSTANTANEOUS,
213.608 AT 14:30 CST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 10 N
LONG 98 26 20 W

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

KISKITTOGISU LAKE NEAR NORWAY HOUSE - STATION NO. 05UB007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.084	215.865	215.820	---	---	217.107	217.488	217.144	---	---	---	---	1
2	216.088	215.852	215.824	---	---	217.152	217.520	217.235	---	---	---	---	2
3	216.084	215.863	215.805	---	---	217.179	217.381	217.302	---	---	---	---	3
4	216.073	215.850	215.815	---	---	217.230	217.373	217.335	---	---	---	---	4
5	216.071	215.851	215.800	---	---	217.211	217.323	217.342A	---	---	---	---	5
6	216.065	215.847	215.797	---	---	217.135	217.297	---	---	---	---	---	6
7	216.056	215.855	215.800	---	---	217.136	217.316	---	---	---	---	---	7
8	216.059	215.840	215.810	---	---	217.138	217.352	---	---	---	---	---	8
9	216.061	215.835	215.819	---	---	217.092	217.346	---	---	---	---	---	9
10	216.053	215.835	215.841	---	---	217.049	217.307	---	---	---	---	---	10
11	216.063	215.827	215.868	---	---	217.048	217.300	---	---	---	---	---	11
12	216.049	215.822	215.914	---	---	217.118	217.298	---	---	---	---	---	12
13	216.049	215.826	215.968	---	217.093	217.128	217.286	---	---	---	---	---	13
14	216.054	215.816	216.022	---	217.087	217.033	217.283	---	---	---	---	---	14
15	216.036	215.825	216.088	---	216.971	216.945	217.288	---	---	---	---	---	15
16	216.033	215.818	216.163	---	216.979	217.018	217.281	---	---	---	---	---	16
17	216.028	215.822	216.216	---	217.037	217.049	217.290	---	---	---	---	---	17
18	216.027	215.808	216.279	---	217.094	216.812	217.304	---	---	---	---	---	18
19	216.025	215.813	216.348	---	217.134	216.919	217.278	---	---	---	---	---	19
20	216.030	215.791	216.401	---	217.149	217.034	217.240	---	---	---	---	---	20
21	216.026	215.813	216.435A	---	217.141	217.106	217.242	---	---	---	---	---	21
22	216.002	215.828	---	---	216.990	217.165	217.292	---	---	---	---	---	22
23	215.982	215.830	---	---	216.849	217.228	217.393	---	217.245A	---	---	---	23
24	215.974	215.841	---	---	216.884	217.255	217.259	---	---	---	---	---	24
25	215.960	215.837	---	---	216.963	217.228	217.103	---	---	---	---	---	25
26	215.933	215.829	---	---	217.043	217.218	217.097	---	---	---	---	---	26
27	215.928	215.825	216.855A	---	217.135	217.292	217.209	---	---	---	---	---	27
28	215.902	215.818	---	---	217.131	217.254	217.323	---	---	---	---	---	28
29	215.894		---	---	217.030	217.254	217.357	---	---	---	---	---	29
30	215.880		---	---	216.974	217.355	217.242	---	---	---	---	---	30
31	215.883		---		217.031		217.149	---		---		---	31
MEAN	216.015	215.832	---	---	---	217.130	217.297	---	---	---	---	---	MEAN
MAX	216.088	215.865	---	---	---	217.355	217.520	---	---	---	---	---	MAX
MIN	215.880	215.791	---	---	---	216.812	217.097	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 46 N
LONG 98 07 27 W

MINIMUM DAILY, 215.791 ON FEB 20

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISSISSING LAKE AT COLD LAKE - STATION NO. 06EA009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	29.989	29.935	---	---	1
2	---	---	---	---	---	---	---	---	30.013	29.923	---	---	2
3	30.245A	---	---	---	---	---	---	---	30.031	29.947	---	---	3
4	---	---	---	30.095A	---	---	---	---	30.001	29.945	---	---	4
5	---	---	---	---	---	---	---	---	30.015	29.936	---	---	5
6	---	---	---	---	---	---	---	---	30.010	29.938	---	---	6
7	---	30.203A	30.179A	---	---	---	---	---	30.012	29.932	---	---	7
8	---	---	---	---	---	---	---	---	30.005	29.915	---	---	8
9	---	---	---	---	---	---	---	---	30.008	29.921	---	29.997A	9
10	30.236A	---	---	---	---	---	---	---	30.017	29.948	---	29.993A	10
11	---	---	---	---	---	---	---	---	30.013	29.954	---	30.005A	11
12	---	---	---	---	---	---	---	---	30.009	29.953	29.980A	30.004E	12
13	30.224A	---	---	---	---	---	---	30.092A	30.009	29.972	---	30.003E	13
14	30.226A	30.192A	30.178A	---	---	---	---	30.062	29.992	29.980	---	30.002	14
15	---	---	---	---	---	30.200A	---	30.059	29.986	29.975	---	30.000	15
16	---	---	---	---	---	---	---	30.057	29.985	29.970	---	29.999	16
17	30.226A	---	---	---	---	---	---	30.058	29.992	29.980	---	29.999	17
18	---	---	---	---	---	---	---	30.058	29.987	29.982	---	30.001	18
19	---	---	---	---	---	---	---	30.058	29.972	29.974	---	30.005	19
20	30.215A	---	---	---	---	---	---	30.055	29.954	29.976	---	30.012E	20
21	---	30.191A	30.137A	---	---	---	---	30.051	29.961	29.978	---	30.018	21
22	---	---	---	---	---	---	---	30.051	29.968	29.977	---	30.018	22
23	---	---	---	---	---	---	---	30.047	29.985	29.971	---	30.019A	23
24	30.215A	---	---	---	---	---	---	30.041	29.984	29.967	---	30.019	24
25	---	---	---	---	---	---	---	30.040	29.972	29.965	---	30.018E	25
26	---	---	---	---	---	---	---	30.040	29.962	29.948	---	30.017E	26
27	---	---	---	---	---	---	---	30.034	29.966	29.950	---	30.016	27
28	---	30.190A	30.116A	---	---	---	---	30.029	29.950	29.952	---	30.012	28
29	---		---	---	---	---	---	30.023	29.935	29.955	---	30.012	29
30	---		---	---	---	---	---	30.012	29.942	29.964	---	30.011	30
31	30.204A		---		---		---	30.029		29.984A		30.007	31
MEAN	---	---	---	---	---	---	---	---	29.988	29.957	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	30.031	29.984	---	---	MAX
MIN	---	---	---	---	---	---	---	---	29.935	29.915	---	---	MIN

SUMMARY FOR THE YEAR 1981

A - MANUAL GAUGE

E - ESTIMATED

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 06 50 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

KRONSGART DRAIN NEAR SEWELL - STATION NO. 05OC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.072B	0	0.017	---	---	---	---	---	---	1
2	---	---	0 B	0.060B	0	0.008	---	---	---	---	---	---	2
3	---	---	0 B	0.049B	0	0.001	---	---	---	---	---	---	3
4	---	---	0 B	0.037B	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0.026B	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.014B	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.010B	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0.006B	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0.002B	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0	0	0	---	---	---	---	---	---	10
11	---	---	0.030B	0	0	0	---	---	---	---	---	---	11
12	---	---	0.060B	0	0	0	---	---	---	---	---	---	12
13	---	---	0.090B	0	0	0	---	---	---	---	---	---	13
14	---	---	0.120B	0	0	0	---	---	---	---	---	---	14
15	---	---	0.118B	0	0	0	---	---	---	---	---	---	15
16	---	---	0.116B	0	0	0	---	---	---	---	---	---	16
17	---	---	0.114B	0	0	0	---	---	---	---	---	---	17
18	---	---	0.112B	0	0	0	---	---	---	---	---	---	18
19	---	---	0.110B	0	0	0	---	---	---	---	---	---	19
20	---	---	0.108B	0	0	0	---	---	---	---	---	---	20
21	---	---	0.108B	0	0	0	---	---	---	---	---	---	21
22	---	---	0.115B	0	0	0	---	---	---	---	---	---	22
23	---	---	0.122B	0	0	0	---	---	---	---	---	---	23
24	---	---	0.129B	0	0	0	---	---	---	---	---	---	24
25	---	---	0.136B	0	0.406	0	---	---	---	---	---	---	25
26	---	---	0.142B	0	0.308	0	---	---	---	---	---	---	26
27	---	---	0.130B	0	0.140	0	---	---	---	---	---	---	27
28	---	---	0.118B	0	0.069	0	---	---	---	---	---	---	28
29	---		0.107B	0	0.054	0	---	---	---	---	---	---	29
30	---		0.095B	0	0.025	0	---	---	---	---	---	---	30
31	---		0.084B		0.025		---	---		---		---	31
TOTAL	---	---	2.264	0.276	1.027	0.026	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.073	0.009	0.033	0.001	---	---	---	---	---	---	MEAN
MAX	---	---	0.142	0.072	0.406	0.017	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.029
MAXIMUM DAILY, 0.406 ON MAY 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.904 AT 10:09 CST ON MAY 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 50 N
LONG 97 31 38 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	196	SEP	---
APR	23.8	OCT	---
MAY	88.7	NOV	---
JUN	2.25	DEC	---

TOTAL DISCHARGE, 311 dam³

LA SALLE RIVER AT SANFORD - STATION NO. 05OG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.023B	3.54 B	0.007	0.076	0.050	0	0	0	0	0.001B	1
2	0B	0 B	0.022B	3.05 B	0.006	0.064	0.042	0	0	0	0	0.001B	2
3	0B	0 B	0.022B	2.56 B	0.004	0.048	0.026	0	0	0	0	0.001B	3
4	0B	0 B	0.021B	2.07 E	0.003	0.042	0.009	0	0	0	0	0.001B	4
5	0B	0 B	0.020B	1.57 E	0	0.056	0.008	0	0	0	0 E	0.001B	5
6	0B	0 B	0.020B	1.08 E	0	0.045	0.006	0	0	0	0 E	0.001B	6
7	0B	0 B	0.019B	0.592A	0.002	0.035	0.005	0	0	0	0 E	0.001B	7
8	0B	0 B	0.019B	0.343	0.005	0.026	0.003	0	0	0	0 E	0.001B	8
9	0B	0 B	0.018B	0.198	0.004	0.018	0	0	0	0	0 E	0.001B	9
10	0B	0 B	0.017B	0.163	0.001	0.012	0	0	0	0	0 E	0.001B	10
11	0B	0 B	0.023B	0.093	0.001	0.010	0	0	0	0	0 E	0.001B	11
12	0B	0 B	0.030B	0.068	0.002	0.007	0	0	0	0	0 E	0.001B	12
13	0B	0 B	0.315B	0.067	0.002	0.004	0	0	0	0	0 E	0.001B	13
14	0B	0 B	0.600B	0.052	0.002	0.001	0	0	0	0	0 E	0.001B	14
15	0B	0 B	0.585B	0.042	0.001	0.007	0	0	0	0	0.001E	0.001B	15
16	0B	0 B	0.570B	0.038	0	0.014	0	0	0	0	0.001E	0.001B	16
17	0B	0 B	0.555B	0.023	0	0.017	0	0	0	0	0.001E	0.001B	17
18	0B	0 B	0.540B	0.005	0	0.024	0	0	0	0	0.001E	0.001B	18
19	0B	0.015B	0.525B	0.002	0	0.013	0	0	0	0	0.001B	0.001B	19
20	0B	0.035B	0.510B	0.002	0	0.011	0	0	0	0	0.001B	0.001B	20
21	0B	0.055B	0.500B	0.004	0	0.009	0	0	0	0	0.001B	0.001B	21
22	0B	0.049B	0.490B	0.004	0.007	0.009	0	0	0	0	0.001B	0.001B	22
23	0B	0.043B	0.480B	0.003	1.28	0.009	0	0	0	0	0.001B	0.001B	23
24	0B	0.037B	1.50 B	0.003	1.47	0.015	0	0	0	0	0.001B	0.001B	24
25	0B	0.031B	2.53 B	0.003	0.698	0.009	0	0	0	0	0.001B	0.001B	25
26	0B	0.025B	3.56 B	0.003	0.230	0.008	0	0	0	0	0.001B	0.001B	26
27	0B	0.025B	4.59 B	0.005	0.076	0.012	0	0	0	0	0.001B	0.001B	27
28	0B	0.024B	4.62 B	0.003	0.189	0.027	0	0	0	0	0.001B	0.001B	28
29	0B		4.57 B	0.001	0.679	0.037	0	0	0	0	0.001B	0 B	29
30	0B		4.52 B	0.004	0.087	0.042	0	0	0	0	0.001B	0 B	30
31	0B		4.03 B		0.067		0	0		0		0 B	31
TOTAL	0	0.339	35.844	15.591	4.823	0.707	0.149	0	0	0	0.016	0.028	TOTAL
MEAN	0	0.012	1.16	0.520	0.156	0.024	0.005	0	0	0	0.001	0.001	MEAN
MAX	0	0.055	4.62	3.54	1.47	0.076	0.050	0	0	0	0.001	0.001	MAX
MIN	0	0	0.017	0.001	0	0.001	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.158
MAXIMUM DAILY, 4.62B ON MAR 28
MINIMUM DAILY, 0B ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 45 N
LONG 97 25 46 W
DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	12.9
FEB	29.3	AUG	0
MAR	3 100	SEP	0
APR	1 350	OCT	0
MAY	417	NOV	1.38
JUN	61.1	DEC	2.42

TOTAL DISCHARGE, 4 970 dam³

LA SALLE RIVER NEAR ELIE - STATION NO. 05OG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.028B	0.126	0.009	0	0.010	0	0.001	0.003	---	---	1
2	---	---	0.030B	0.081	0.009	0	0.008	0.001	0.002	0.002	---	---	2
3	---	---	0.032B	0.072	0.019	0	0.007	0	0.001	0.002	---	---	3
4	---	---	0.034B	0.053	0.007	0	0.006	0	0.001	0.003	---	---	4
5	---	---	0.036B	0.023	0.006	0	0.005	0.001	0.001	0.002	---	---	5
6	---	---	0.037B	0.016	0.003	0	0.007	0.003	0.003	0.002	---	---	6
7	---	---	0.101B	0.020	0.003	0	0.008	0.003	0.002	0.002	---	---	7
8	---	---	0.165B	0.018	0.005	0	0.006	0.004	0.002	0.002	---	---	8
9	---	---	0.229B	0.017	0.003	0	0.005	0.005	0.001	0.003	---	---	9
10	---	---	0.290B	0.030	0.003	0	0.004	0.007	0	0.003	---	---	10
11	---	---	0.359B	0.011	0.002	0	0.004	0.007	0	0.003	---	---	11
12	---	---	0.427B	0.016	0.002	0	0.004	0.005	0	0.003	---	---	12
13	---	---	0.403B	0.020	0.002	0	0.004	0.005	0.001	0.003	---	---	13
14	---	---	0.379B	0.069	0.002	0	0.004	0.003	0.002	0.002	---	---	14
15	---	---	0.355B	0.066	0.002	0.002	0.004	0.003	0.003	0.002	---	---	15
16	---	---	0.331B	0.048	0.002	0.001	0.003	0.003	0.002	0.002	---	---	16
17	---	---	0.297B	0.037	0.002	0.002	0.001	0.002	0.002	0.002	---	---	17
18	---	---	0.287B	0.022	0.002	0.002	0	0.002	0.001	0.002	---	---	18
19	---	---	0.266B	0.099	0.002	0.002	0	0.001	0.002	0.002	---	---	19
20	---	---	0.252B	0.115	0.001	0.002	0	0.001	0.002	0.002	---	---	20
21	---	---	0.229B	0.112	0.011	0.002	0	0.001	0.002	0.002	---	---	21
22	---	---	0.199B	0.044	0.037	0.003	0	0.001	0.001	0.002B	---	---	22
23	---	---	0.182B	0.011	0.027	0.004	0	0.001	0.001	0.002B	---	---	23
24	---	---	0.161B	0.006	0.023	0.006	0	0.001	0.001	0.001B	---	---	24
25	---	---	0.172	0.008	0.015	0.006	0	0.001	0.001	0.001B	---	---	25
26	---	---	0.206	0.007	0.012	0.005	0	0.001	0.002	0.001B	---	---	26
27	---	---	0.252	0.011	0.006	0.005	0	0.001	0.002	0.001B	---	---	27
28	---	---	0.320	0.009	0	0.006	0	0.002	0.002	0.001B	---	---	28
29	---		0.341	0.010	0	0.008	0	0.002	0.002	0.001B	---	---	29
30	---		0.362	0.017	0	0.009	0	0.001	0.002	0.001B	---	---	30
31	---		0.315		0		0	0.001		0.001B		---	31
TOTAL	---	---	7.077	1.194	0.217	0.065	0.090	0.069	0.045	0.061	---	---	TOTA
MEAN	---	---	0.228	0.040	0.007	0.002	0.003	0.002	0.002	0.002	---	---	MEAN
MAX	---	---	0.427	0.126	0.037	0.009	0.010	0.007	0.003	0.003	---	---	MAX
MIN	---	---	0.028	0.006	0	0	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.036
MAXIMUM DAILY, 0.427B ON MAR 12
MINIMUM DAILY, 0 ON MAY 28
MAXIMUM INSTANTANEOUS,
0.439 AT 09:04 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 .3 N
LONG 97 45 54 W
DRAINAGE AREA, 198 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.78
FEB	---	AUG	5.96
MAR	611	SEP	3.89
APR	103	OCT	5.27
MAY	18.7	NOV	---
JUN	5.62	DEC	---

TOTAL DISCHARGE, 761 dam³

LAKE MANITOBA AT STEEP ROCK - STATION NO. 05LK002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	247.449	247.412	247.377	247.386	247.402	247.402	247.544	247.461	247.507	247.381	247.420	247.384	1
2	247.445	247.415	247.379	247.388	247.413	247.411	247.559	247.454	247.535	247.476	247.415	247.384	2
3	247.444	247.414	247.386	247.379	247.380	247.431	247.538	247.448	247.509	247.448	247.415	247.385	3
4	247.444	247.414	247.383	247.378	247.387	247.466	247.532	247.459	247.503	247.428	247.424	247.379	4
5	247.445	247.413	247.379	247.388	247.394	247.474	247.514	247.460	247.530	247.411	247.414	247.380	5
6	247.439	247.411	247.382	247.404	247.415	247.453	247.502	247.437	247.507	247.400	247.415	247.378	6
7	247.438	247.411	247.386	247.417	247.425	247.447	247.519	247.443	247.501	247.411	247.392	247.370	7
8	247.438	247.411	247.389	247.400	247.362	247.440	247.547	247.389	247.481	247.421	247.391	247.371	8
9	247.433	247.413	247.388	247.390	247.373	247.420	247.517	247.402	247.487	247.445	247.406	247.373	9
10	247.433	247.411	247.389	247.389	247.410	247.415	247.463	247.434	247.492	247.461	247.376	247.375	10
11	247.435	247.410	247.392	247.380	247.412	247.410	247.446	247.453	247.486	247.475	247.383	247.379	11
12	247.436	247.410	247.389	247.394	247.414	247.411	247.448	247.442	247.480	247.496	247.410	247.373	12
13	247.433	247.407	247.391	247.387	247.414	247.379	247.431	247.460	247.457	247.537	247.421	247.371	13
14	247.428	247.409	247.394	247.383	247.404	247.358	247.419	247.444	247.442	247.513	247.408	247.369	14
15	247.426	247.409	247.384	247.392	247.321	247.340	247.471	247.440	247.395	247.471	247.409	247.368	15
16	247.428	247.410	247.385	247.386	247.325	247.405	247.496	247.475	247.399	247.465	247.402	247.366	16
17	247.429	247.405	247.376	247.363	247.361	247.436	247.469	247.482	247.432	247.415	247.372	247.366	17
18	247.429	247.400	247.375	247.369	247.389	247.444	247.468	247.475	247.440	247.394	247.321	247.370	18
19	247.423	247.399	247.375	247.372	247.410	247.436	247.466	247.502	247.435E	247.389	247.304	247.377	19
20	247.422	247.398	247.376	247.388	247.419	247.423	247.412	247.483	247.430E	247.344	247.331	247.382	20
21	247.421	247.397	247.376	247.432	247.425	247.418	247.425	247.480	247.425E	247.365	247.355	247.379	21
22	247.421	247.395	247.372	247.404	247.375	247.434	247.463	247.497	247.420E	247.337	247.367	247.374	22
23	247.419	247.394	247.375	247.377	247.312	247.469	247.494	247.469	247.415	247.371	247.377	247.370	23
24	247.417	247.387	247.375	247.389	247.316	247.478	247.484	247.448	247.399	247.362	247.377	247.370	24
25	247.412	247.385	247.373	247.413	247.338	247.477	247.459	247.463	247.381	247.326	247.377	247.369	25
26	247.408	247.385	247.373	247.415	247.375	247.464	247.442	247.441	247.394	247.328	247.371	247.369	26
27	247.414	247.380	247.386	247.401	247.405	247.483	247.451	247.440	247.409	247.349	247.364	247.362	27
28	247.414	247.381	247.391	247.409	247.429	247.471	247.484	247.463	247.363	247.377	247.371	247.358	28
29	247.416		247.393	247.401	247.395	247.481	247.498	247.491	247.353	247.396	247.386	247.362	29
30	247.420		247.395	247.388	247.419	247.524	247.475	247.498	247.358	247.426	247.395	247.357	30
31	247.417		247.396		247.408		247.480	247.489		247.436		247.353	31
MEAN	247.428	247.403	247.383	247.392	247.388	247.437	247.481	247.459	247.446	247.415	247.386	247.372	MEA
MAX	247.449	247.415	247.396	247.432	247.429	247.524	247.559	247.502	247.535	247.537	247.424	247.385	MAX
MIN	247.408	247.380	247.372	247.363	247.312	247.340	247.412	247.389	247.353	247.326	247.304	247.353	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 247.416
MAXIMUM DAILY, 247.559 ON JUL 2
MINIMUM DAILY, 247.304 ON NOV 19
MAXIMUM INSTANTANEOUS,
247.635 AT 23:49 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 26 N
LONG 98 48 13 W

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.424	247.408	---	---	247.436	247.407	247.553	247.409	247.448	247.365	247.372	247.360	1
2	247.424	247.411	---	---	247.418	247.403	247.452	247.422	247.525	247.582	247.393	247.377	2
3	247.425	247.409	---	---	247.334	247.431	247.452	247.394	247.261	247.368	247.386	247.361	3
4	247.427	247.405A	---	---	247.391	247.444	247.477	247.406	247.449	247.300	247.380	247.368	4
5	247.426	---	---	---	247.408	247.386	247.429	247.367	247.470	247.315	247.354	247.369	5
6	247.421	---	---	---	247.423	247.422	247.502	247.350	247.300	247.358	247.398	247.365	6
7	247.424	---	---	---	247.423	247.411	247.475	247.413	247.347	247.426	247.354	247.351	7
8	247.423	---	---	---	247.253	247.372	247.399	247.336	247.387	247.460	247.284	247.360	8
9	247.420	247.380A	---	---	247.375	247.401	247.442	247.401	247.352	247.426	247.430	247.370	9
10	247.422	---	---	---	247.441	247.396	247.412	247.436	247.380	247.386	247.361	247.374	10
11	247.423	---	---	---	247.413	247.398	247.431	247.422	247.348	247.436	247.415	247.376	11
12	247.418	---	---	---	247.401	247.438	247.423	247.403	247.359	247.492	247.424	247.371	12
13	247.415	---	---	---	247.403	247.388	247.431	247.427	247.383	247.368	247.393	247.371	13
14	247.413	---	---	---	247.403	247.392	247.426	247.376	247.316	247.382	247.387	247.371	14
15	247.414	---	---	---	247.295	247.287	247.504	247.403	247.280	247.366	247.389	247.371	15
16	247.419	---	---	---	247.379	247.447	247.442	247.437	247.349	247.392	247.332	247.368	16
17	247.421	---	---	247.414A	247.394	247.430	247.403	247.403	247.366	247.171	247.333	247.368	17
18	247.422	---	---	247.384	247.412	247.305	247.449	247.408	247.333	247.246	247.339	247.372	18
19	247.417	---	---	247.371	247.407	247.502	247.444	247.414	247.340	247.371	247.290	247.374	19
20	247.423	---	---	247.445	247.419	247.454	247.380	247.396	247.370	247.320	247.383	247.375	20
21	247.422	---	---	247.488	247.416	247.459	247.435	247.402	247.371	247.357	247.410	247.370	21
22	247.421	---	---	247.246	247.290	247.458	247.481	247.406	247.412	247.244	247.403	247.363	22
23	247.419	---	---	247.336	247.198	247.541	247.457	247.371	247.343	247.387	247.374	247.368	23
24	247.417	---	---	247.410	247.309	247.443	247.312	247.383	247.317	247.310	247.375	247.372	24
25	247.410	---	---	247.439	247.392	247.376	247.351	247.383	247.346	247.343	247.375	247.370	25
26	247.411	---	---	247.391	247.416	247.492	247.410	247.353	247.287	247.476	247.338	247.373	26
27	247.414	---	---	247.373	247.439	247.493	247.410	247.373	247.131	247.354	247.350	247.366	27
28	247.410	---	---	247.418	247.424	247.447	247.437	247.407	247.385	247.403	247.375	247.369	28
29	247.413		---	247.383	247.335	247.461	247.442	247.417	247.367	247.399	247.392	247.469A	29
30	247.415		---	247.344	247.432	247.566	247.406	247.397	247.327	247.405	247.377	247.470E	30
31	247.409		---		247.432		247.361	247.266		247.358		247.470E	31
MEAN	247.419	---	---	---	247.384	247.428	247.433	247.393	247.354	247.372	247.372	247.378	MEAN
MAX	247.427	---	---	---	247.441	247.566	247.553	247.437	247.525	247.582	247.430	247.470	MAX
MIN	247.409	---	---	---	247.198	247.287	247.312	247.266	247.131	247.171	247.284	247.351	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 247.582 ON OCT 2
MINIMUM DAILY, 247.131 ON SEP 27
MAXIMUM INSTANTANEOUS,
247.768 AT 06:20 CST ON OCT 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 50 N
LONG 98 46 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODET ~ SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR TOUTES AIDES - STATION NO. 05LK004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.327	247.301	247.292	247.317	247.306	247.399	247.519	247.334	247.339	247.325	247.352	247.308	1
2	247.328	247.296	247.294	247.313	247.351	247.359	247.526	247.379	247.420	247.393	247.354	247.302	2
3	247.326	247.296	247.301	247.305	247.333	247.361	247.474	247.371	247.332	247.469	247.371	247.303	3
4	247.335	247.301	247.303	247.297	247.318	247.379	247.460	247.368	247.359	247.400	247.361	247.296	4
5	247.343	247.304	247.297	247.303	247.319	247.361	247.450	247.367	247.456	247.347	247.311	247.294	5
6	247.332	247.309	247.297	247.318	247.338	247.351	247.483	247.323	247.409	247.309	247.316	247.291	6
7	247.331	247.306	247.301	247.306	247.352	247.405	247.476	247.290	247.332	247.362	247.348	247.288	7
8	247.334	247.303	247.304	247.311	247.437	247.338	247.348	247.299	247.354	247.461	247.221	247.285	8
9	247.327	247.301	247.301	247.313	247.304	247.340	247.332	247.260	247.344	247.496	247.239	247.285	9
10	247.331	247.301	247.305	247.302	247.327	247.314	247.364	247.279	247.334	247.457	247.279	247.295	10
11	247.339	247.304	247.306	247.301	247.364	247.301	247.370	247.303	247.294	247.441	247.337	247.303	11
12	247.339	247.304	247.303	247.318	247.360	247.337	247.344	247.314	247.301	247.522	247.361	247.298	12
13	247.336	247.311	247.303	247.307	247.338	247.413	247.372	247.346	247.278	247.477	247.357	247.300	13
14	247.333	247.317	247.307	247.305	247.360	247.432	247.395	247.307	247.237	247.405	247.358	247.300	14
15	247.325	247.319	247.302	247.324	247.407	247.410	247.430	247.317	247.222	247.400	247.362	247.301	15
16	247.323	247.318	247.303	247.322	247.387	247.322	247.468	247.334	247.207	247.387	247.323	247.302	16
17	247.329	247.321	247.293	247.307	247.339	247.349	247.413	247.361	247.214	247.382	247.276	247.302	17
18	247.334	247.314	247.285	247.305	247.334	247.238	247.379	247.365	247.242	247.252	247.325	247.301	18
19	247.328	247.313	247.283	247.310	247.321	247.266	247.401	247.348	247.271	247.279	247.267	247.303	19
20	247.326	247.316	247.289	247.329	247.359	247.355	247.410	247.383	247.330	247.280	247.244	247.304	20
21	247.326	247.312	247.289	247.359	247.400	247.392	247.382	247.379	247.378	247.207	247.263	247.305	21
22	247.324	247.311	247.287	247.337	247.510	247.381	247.400	247.378	247.386	247.197	247.286	247.306	22
23	247.327	247.309	247.292	247.317	247.443	247.439	247.449	247.386	247.375	247.125	247.299	247.306	23
24	247.322	247.302	247.298	247.319	247.348	247.447	247.413	247.392	247.342	247.213	247.300	247.305	24
25	247.318	247.300	247.295	247.344	247.308	247.369	247.319	247.363	247.377	247.178	247.298	247.306	25
26	247.307	247.305	247.292	247.340	247.313	247.375	247.325	247.340	247.434	247.256	247.296	247.306	26
27	247.305	247.302	247.299	247.326	247.338	247.438	247.330	247.311	247.236	247.261	247.285	247.306	27
28	247.305	247.299	247.316	247.326	247.371	247.406	247.322	247.300	247.249	247.322	247.285	247.308	28
29	247.306		247.321	247.334	247.359	247.377	247.403	247.349	247.345	247.361	247.302	247.308	29
30	247.314		247.327	247.316	247.325	247.427	247.449	247.367	247.379	247.385	247.314	247.307	30
31	247.313		247.325		247.386		247.355	247.417		247.331		247.308	31
MEAN	247.326	247.307	247.300	247.318	247.356	247.369	247.405	247.344	247.326	247.345	247.310	247.301	MEAN
MAX	247.343	247.321	247.327	247.359	247.510	247.447	247.526	247.417	247.456	247.522	247.371	247.308	MAX
MIN	247.305	247.296	247.283	247.297	247.304	247.238	247.319	247.260	247.207	247.125	247.221	247.285	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 247.334
MAXIMUM DAILY, 247.526 ON JUL 2
MINIMUM DAILY, 247.125 ON OCT 23
MAXIMUM INSTANTANEOUS,
247.663 AT 09:25 CST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 18 N
LONG 99 32 23 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR WESTBOURNE - STATION NO. 05LL012

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.425	247.385	247.378	247.372E	247.416	247.507	247.303	247.378	247.350	247.375	247.347	247.359	1
2	247.425	247.382	247.376	247.371E	247.398	247.464	247.345	247.363	247.230	247.148	247.347	247.328	2
3	247.418	247.378	247.378	247.371E	247.501	247.422	247.393	247.371	247.399	247.279	247.350	247.356	3
4	247.416	247.371	247.382	247.371E	247.458	247.352	247.356	247.376	247.296	247.382	247.331	247.348	4
5	247.414	247.378	247.383	247.370E	247.430	247.406	247.427	247.425	247.219	247.410	247.366	247.351	5
6	247.415	247.382	247.383	247.370E	247.413	247.444	247.341	247.531	247.381	247.386	247.329	247.358	6
7	247.412	247.384	247.380	247.369A	247.399	247.391	247.371	247.482	247.372	247.341	247.433	247.381	7
8	247.405	247.384A	247.378	247.374	247.609	247.466	247.313	247.597	247.363	247.294	247.426	247.378	8
9	247.403	247.386A	247.378	247.385	247.472	247.458	247.353	247.495	247.368	247.252	247.300	247.371	9
10	247.401	247.377	247.378	247.378	247.337	247.465	247.446	247.429	247.333	247.276	247.403	247.371	10
11	247.393	247.376	247.370	247.387	247.396	247.470	247.428	247.421	247.360	247.240	247.354	247.368	11
12	247.400	247.374	247.374	247.379	247.385	247.436	247.415	247.456	247.359	247.185	247.321	247.370	12
13	247.409	247.379	247.372	247.395	247.386	247.541	247.431	247.409	247.407	247.118	247.341	247.367	13
14	247.408	247.386	247.372	247.391	247.390	247.484	247.396	247.476	247.424	247.256	247.373	247.371	14
15	247.403	247.383	247.375	247.383	247.624	247.588	247.326	247.430	247.513	247.301	247.354	247.374	15
16	247.392	247.378	247.374	247.375	247.523	247.442	247.348	247.331	247.418	247.250	247.390	247.376	16
17	247.391	247.386	247.377	247.483	247.438	247.363	247.435	247.340	247.307	247.577	247.435	247.372	17
18	247.391	247.385	247.374	247.447	247.379	247.555	247.417	247.335	247.336	247.471	247.518	247.372	18
19	247.394	247.389	247.373	247.420	247.347	247.452	247.400	247.323	247.379	247.388	247.523	247.368	19
20	247.391	247.388	247.374	247.368	247.307	247.491	247.499	247.375	247.338	247.479	247.396	247.365	20
21	247.393	247.382	247.370	247.341	247.331	247.496	247.419	247.360	247.301	247.372	247.350	247.367	21
22	247.395	247.386	247.369	247.456	247.492	247.453	247.319	247.343	247.203	247.466	247.349	247.373	22
23	247.397	247.387	247.372	247.455	247.669	247.376	247.298	247.416	247.245	247.338	247.363	247.374	23
24	247.396	247.384	247.371	247.428	247.604	247.417	247.436	247.418	247.298	247.435	247.370	247.374	24
25	247.399	247.384	247.372A	247.398	247.498	247.476	247.416	247.388	247.342	247.385	247.377	247.374	25
26	247.399	247.384	247.373E	247.409	247.439	247.448	247.382	247.441	247.276	247.331	247.424	247.372	26
27	247.390	247.382	247.372E	247.436	247.395	247.412	247.336	247.406	247.594	247.410	247.386	247.375	27
28	247.392	247.373	247.372E	247.407	247.399	247.480	247.246	247.326	247.442	247.366	247.327	247.370	28
29	247.388		247.372E	247.426	247.541	247.438	247.251	247.288	247.405	247.355	247.288	247.362	29
30	247.385		247.372E	247.450	247.436	247.320	247.327	247.316	247.446	247.291	247.319	247.370	30
31	247.389		247.372E		247.499		247.352	247.494		247.317		247.370	31
MEAN	247.401	247.382	247.375	247.399	247.449	247.450	247.372	247.404	247.357	247.338	247.373	247.367	MEAN
MAX	247.425	247.389	247.383	247.483	247.669	247.588	247.499	247.597	247.594	247.577	247.523	247.381	MAX
MIN	247.385	247.371	247.369	247.341	247.307	247.320	247.246	247.288	247.203	247.118	247.288	247.328	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 247.389
MAXIMUM DAILY, 247.669 ON MAY 23
MINIMUM DAILY, 247.118 ON OCT 13
MAXIMUM INSTANTANEOUS,
248.032 AT 20:07 CST ON NOV 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO. 05MD009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	425.541	425.122	424.834	425.111	425.657	425.981	426.224	426.303	426.265	426.126	426.053	425.824	1
2	425.530	425.110	424.823	425.139	425.691	425.999	426.268	426.310	426.259	426.084	426.041	425.818	2
3	425.515	425.101	424.817	425.164	425.717	425.991	426.269	426.312	426.250	426.141	426.039	425.815	3
4	425.499	425.093	424.816	425.185	425.735	425.989	426.276	426.312	426.227	426.132	426.041	425.806	4
5	425.484	425.077	424.813	425.204	425.747	426.007	426.283	426.334	426.231	426.121	426.028	425.798	5
6	425.470	425.065	424.810	425.222	425.758	425.993	426.254	426.348	426.250	426.109	426.018	425.778	6
7	425.448	425.055	424.805	425.242	425.774	426.010	426.216	426.355	426.245	426.084	426.029	425.744	7
8	425.428	425.044	424.803	425.260	425.802	425.994	426.220	426.357	426.238	426.099	426.013	425.730	8
9	425.411	425.033	424.800	425.268	425.791	426.002	426.237	426.350	426.241	426.099	425.986	425.718	9
10	425.395	425.022	424.796	425.290	425.788	426.005	426.238	426.352	426.243	426.086	425.993	425.709	10
11	425.376	425.012	424.790	425.310	425.814	426.008	426.228	426.363	426.235	426.089	425.980	425.714A	11
12	425.364	424.999	424.795	425.352	425.827	426.001	426.224	426.372	426.235	426.086	425.973	425.696E	12
13	425.354A	424.987	424.800	425.379	425.844	426.008	426.231	426.384	426.238	426.111	425.969	425.681E	13
14	425.339E	424.975	424.810	425.404	425.854	426.030	426.242	426.385	426.239	426.102	425.960	425.662E	14
15	425.327E	424.966	424.820	425.442	425.875	426.081	426.262	426.383	426.233	426.093	425.954	425.647E	15
16	425.312E	424.956	424.833	425.457	425.863	426.087	426.283	426.317	426.218	426.089	425.958	425.626A	16
17	425.297E	424.944	424.845	425.479	425.868	426.132	426.294	426.320	426.209	426.127	425.950	425.612	17
18	425.284E	424.933	424.855	425.488	425.875	426.127	426.301	426.328	426.213	426.095	425.948	425.596	18
19	425.269A	424.920	424.870	425.494	425.846	426.107	426.316	426.325	426.204	426.098	425.936	425.578	19
20	425.252	424.914	424.886	425.489	425.855	426.077	425.315	426.317	426.190	426.096	425.894	425.561	20
21	425.242	424.911	424.897	425.530	425.868	426.087	426.308	426.320	426.192	426.092	425.899	425.549	21
22	425.231	424.903	424.905	425.558	425.894	426.089	426.309	426.309	426.173	426.102	425.888	425.541	22
23	425.221	424.890	424.917	425.563	425.894	426.105	426.332	426.313	426.171	426.066	425.895	425.527	23
24	425.209	424.881	424.924	425.568	425.891	426.136	426.361	426.318	426.166	426.111	425.891	425.512	24
25	425.198	424.869	424.937	425.591	425.891	426.146	426.334	426.312	426.158	426.065	425.887	425.500	25
26	425.190	424.859	424.950	425.609	425.891	426.132	426.284	426.310	426.245	426.065	425.876	425.482	26
27	425.177	424.849	424.967	425.611	425.901	426.153	426.273	426.305	426.209	426.056	425.868	425.468	27
28	425.169	424.838	424.995	425.616	425.913	426.145	426.261	426.276	426.166	426.056	425.854	425.452	28
29	425.156		425.024	425.654	425.956	426.152	426.283	426.273	426.156	426.059	425.828	425.437	29
30	425.145		425.056	425.682	425.987	426.167	426.290	426.271	426.161	426.063	425.828	425.427	30
31	425.136		425.085		425.962		426.307	426.300		426.059		425.413	31
MEAN	425.322	424.976	424.873	425.412	425.838	426.065	426.275	426.327	426.215	426.092	425.949	425.626	MEAN
MAX	425.541	425.122	425.085	425.682	425.962	426.167	426.361	426.385	426.265	426.141	426.053	425.824	MAX
MIN	425.136	424.838	424.790	425.111	425.657	425.981	426.216	426.271	426.156	426.056	425.828	425.413	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 425.752
MAXIMUM DAILY, 426.385 ON AUG 14
MINIMUM DAILY, 424.790 ON MAR 11
MAXIMUM INSTANTANEOUS,
426.410 AT 13:27 CST ON AUG 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 58 N
LONG 101 25 21 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1969
DRAINAGE AREA,
17 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. MARTIN NEAR NILEBE - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.291	243.389	243.483E	243.334E	243.054	242.890	242.723	242.735	242.727	242.739	242.754	242.738	1
2	243.292	243.393	243.480E	243.326E	243.047	242.871	242.768	242.745	242.685	242.619	242.743	242.741	2
3	243.297	243.396	243.477E	243.319A	243.060	242.857	242.773	242.748	242.754	242.722	242.758	242.741	3
4	243.300	243.398	243.474E	243.309E	243.037	242.826	242.747	242.743	242.698	242.760	242.758	242.739	4
5	243.307	243.405	243.471E	243.300E	243.013	242.854	242.782	242.760	242.687	242.777	242.766	242.742	5
6	243.308	243.410	243.468E	243.290E	243.006	242.852	242.722	242.794	242.754	242.749	242.741	242.748	6
7	243.308	243.413	243.465E	243.281E	242.987	242.858	242.750	242.778	242.740	242.730	242.781	242.745	7
8	243.313	243.413	243.462E	243.271E	243.102	242.861	242.696	242.823	242.731	242.732	242.784	242.742	8
9	243.314	243.415	243.459E	243.262E	242.984	242.863	242.689	242.769	242.737	242.737	242.703	242.742	9
10	243.320	243.420E	243.456E	243.252E	242.952	242.850	242.709	242.748	242.719	242.737	242.762	242.742	10
11	243.324	243.425E	243.453E	243.243E	242.965	242.844	242.707	242.754	242.734	242.719	242.735	242.741	11
12	243.332	243.430E	243.450E	243.233E	242.948	242.816	242.703	242.753	242.740	242.702	242.734	242.739	12
13	243.333	243.435E	243.447E	243.224E	242.944	242.854	242.718	242.735	242.757	242.716	242.739	242.737	13
14	243.337	243.440E	243.444E	243.215A	242.969	242.873	242.702	242.753	242.759	242.733	242.745	242.736	14
15	243.338	243.445E	243.441E	243.206E	243.025	242.935	242.705	242.734	242.787	242.734	242.745	242.742	15
16	243.337	243.450E	243.438E	243.198E	242.979	242.831	242.743	242.686	242.731	242.710	242.763	242.740	16
17	243.345	243.455E	243.435A	243.190E	242.946	242.845	242.762	242.721	242.696	242.828	242.776	242.739	17
18	243.349	243.460E	243.435E	243.182A	242.935	242.950	242.748	242.713	242.725	242.780	242.859	242.741	18
19	243.352	243.465A	243.435E	243.178E	242.915	242.845	242.765	242.727	242.733	242.748	243.096	242.744	19
20	243.356	243.468E	243.435A	243.175E	242.891	242.872	242.796	242.735	242.710	242.777	242.861	242.747	20
21	243.362	243.471E	243.427E	243.172E	242.884	242.875	242.750	242.729	242.706	242.742	242.753	242.752	21
22	243.365	243.474E	243.419E	243.169E	243.030	242.854	242.714	242.727	242.671	242.765	242.748	242.753	22
23	243.371	243.477E	243.411E	243.166A	243.028	242.828	242.703	242.749	242.687	242.684	242.746	242.753	23
24	243.373	243.480E	243.403E	243.149E	242.968	242.845	242.780	242.751	242.702	242.757	242.743	242.754	24
25	243.376	243.483E	243.395A	243.133E	242.951	242.859	242.749	242.751	242.701	242.728	242.743	242.755	25
26	243.376	243.486E	243.380A	243.116E	242.916	242.839	242.728	242.762	242.780	242.730	242.743	242.761	26
27	243.375	243.489A	243.372E	243.100E	242.896	242.833	242.708	242.746	242.848	242.737	242.741	242.763	27
28	243.380	243.486E	243.364E	243.083E	242.895	242.852	242.646	242.707	242.742	242.739	242.738	242.760	28
29	243.384		243.357E	243.067	242.938	242.828	242.674	242.696	242.750	242.745	242.736	242.763	29
30	243.387		243.349E	243.066	242.886	242.735	242.737	242.691	242.763	242.742	242.738	242.765E	30
31	243.390		243.341E		242.894		242.743	242.814		242.752		242.768E	31
MEAN	243.342	243.442	243.430	243.207	242.969	242.853	242.730	242.744	242.732	242.738	242.768	242.748	MEAN
MAX	243.390	243.489	243.483	243.334	243.102	242.950	242.796	242.823	242.848	242.828	243.096	242.768	MAX
MIN	243.291	243.389	243.341	243.066	242.884	242.735	242.646	242.686	242.671	242.619	242.703	242.736	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 242.972
MAXIMUM DAILY, 243.489A ON FEB 27
MINIMUM DAILY, 242.619 ON OCT 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 38 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT BERENS RIVER - STATION NO. 05RD005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.331	217.266	217.227	217.183	217.191	---	---	217.422	217.333	217.309	217.309	217.190	1
2	217.328	217.267	217.202	217.186	217.201	---	---	217.408	217.337	217.115	217.250	217.135	2
3	217.322	217.267	217.210	217.189	217.189	---	---	217.403	217.581	217.334	217.254	217.189	3
4	217.302	217.257	217.220	217.188	217.194	---	---	217.409	217.307	217.352	217.325	217.163	4
5	217.323	217.263	217.218	217.185	217.192	---	---	217.429	217.389	217.359	217.301	217.147	5
6	217.323	217.254	217.208	217.178	217.194	---	---	217.425	217.432	217.359	217.254	217.062	6
7	217.307	217.267	217.203	217.179	217.194	---	---	217.452	217.436	217.298	217.355	217.148	7
8	217.316	217.248	217.202	217.181	217.175	---	---	217.452	217.372	217.188	217.380	217.153	8
9	217.309	217.253	217.201	217.184	217.189	---	---	217.436	217.442	217.171	217.275	217.145	9
10	217.303	217.245	217.190	217.200	217.196	---	---	217.445	217.422	217.293	217.263	217.016	10
11	217.299	217.241	217.195	217.194	217.190	---	---	217.467	217.456	217.303	217.176	217.102	11
12	217.309	217.238	217.202	217.188	217.194	---	---	217.423	217.438	217.252	217.221	217.155	12
13	217.311	217.239	217.194	217.196	217.191	---	---	217.471	217.485	217.446	217.240	217.157	13
14	217.306	217.234	217.195	217.192	217.198	---	217.367	217.450	217.409	217.377	217.198	217.148	14
15	217.305	217.244	217.193	217.195	217.173	---	217.391	217.415	217.350	217.334	217.203	217.148	15
16	217.292	217.243	217.194	217.197	217.188	---	217.404	217.423	217.366	217.328	217.255	217.149	16
17	217.297	217.242	217.190	217.198	217.192	---	217.415	217.457	217.401	217.420	217.193	217.135	17
18	217.300	217.246	217.191	217.193	217.193	---	217.419	217.427	217.420	217.332	217.183	217.090	18
19	217.305	217.238	217.189	217.192	217.191	---	217.424	217.463	217.346	217.311	217.189	217.040	19
20	217.292	217.231	217.188	217.187	217.195	---	217.367	217.448	217.281	217.325	217.170	217.024	20
21	217.298	217.244	217.187	217.195	217.196	---	217.408	217.425	217.250	217.334	217.170	217.155	21
22	217.292	217.241	217.184	217.196	217.183	---	217.398	217.442	217.235	217.363	217.165	217.160	22
23	217.292	217.237	217.182	217.194	217.175	---	217.400	217.421	217.419	217.297	217.220	217.152	23
24	217.291	217.242	217.182	217.192	217.197	---	217.526	217.423	217.353	217.408	217.209	217.155	24
25	217.293	217.230	217.189	217.190	---	---	217.480	217.451	217.279	217.315	217.181	217.139	25
26	217.283	217.221	217.186	217.195	---	---	217.463	217.432	217.388	217.286	217.160	217.155	26
27	217.285	217.233	217.180	217.192	---	---	217.405	217.430	217.481	217.250	217.196	217.164	27
28	217.277	217.213	217.182	217.194	---	---	217.418	217.428	217.385	217.193	217.188	217.160	28
29	217.266		217.184	217.194	---	---	217.448	217.460	217.317	217.211	217.146	217.162	29
30	217.257		217.184	217.194	---	---	217.390	217.410	217.302	217.252	217.197	217.148	30
31	217.278		217.186		---		217.507	217.546		217.372		217.151	31
MEAN	217.300	217.244	217.195	217.191	---	---	---	217.438	217.378	217.306	217.228	217.135	MEAN
MAX	217.331	217.267	217.227	217.200	---	---	---	217.546	217.581	217.446	217.380	217.190	MAX
MIN	217.257	217.213	217.180	217.178	---	---	---	217.403	217.235	217.115	217.146	217.016	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 20 N
LONG 97 00 15 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT GIMLI - STATION NO. 05SB006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.349	217.319	217.196	217.167	217.238	217.300	217.069	217.511	217.621	217.403	217.202	217.159	1
2	217.331	217.314	217.212	217.175	217.122	217.277	217.125	217.383	217.040	216.925	217.310	217.184	2
3	217.326	217.314	217.195	217.182	217.274	217.212	217.396	217.437	217.439	216.894	217.219	217.040	3
4	217.311	217.314	217.208	217.187	217.296	217.119	217.270	217.403	217.382	217.370	217.156	217.211	4
5	217.294	217.294	217.219	217.186	217.250	217.236	217.387	217.439	216.995	217.511	217.457	217.144	5
6	217.351	217.267	217.224	217.164	217.193	217.277	217.333	217.638	217.389	217.474	217.221	217.127	6
7	217.313	217.264	217.220	217.120	217.192	217.168	217.250	217.490	217.572	217.247	217.249	217.164	7
8	217.307	217.289	217.215	217.118	217.317	217.354	217.370	217.683	217.458	217.142	217.702	217.188	8
9	217.340	217.245	217.213	217.137	217.346	217.320	217.366	217.578	217.328	216.940	217.230	217.144	9
10	217.308	217.246	217.210	217.172	217.126	217.330	217.443	217.390	217.342	217.115	217.284	217.118	10
11	217.293	217.239	217.178	217.199	217.205	217.306	217.415	217.424	217.471	217.205	217.147	217.002	11
12	217.316	217.241	217.173	217.187	217.194	217.257	217.417	217.540	217.402	217.044	216.983	217.159	12
13	217.316	217.230	217.188	217.179	217.205	217.326	217.449	217.339	217.521	216.935	217.078	217.134	13
14	217.345	217.234	217.157	217.195	217.176	217.379	217.415	217.613	217.524	217.360	217.252	217.164	14
15	217.322	217.225	217.175	217.172	217.436	217.471	217.374	217.498	217.608	217.384	217.157	217.144	15
16	217.284	217.217	217.172	217.188	217.292	217.337	217.278	217.280	217.441	217.151	217.261	217.154	16
17	217.276	217.214	217.191	217.213	217.211	217.116	217.504	217.337	217.213	217.534	217.386	217.150	17
18	217.277	217.232	217.196	217.208	217.171	217.582	217.427	217.422	217.331	217.878	217.303	217.133	18
19	217.302	217.236	217.191	217.200	217.149	217.371	217.388	217.311	217.493	217.382	217.407	217.101	19
20	217.294	217.230	217.179	217.205	217.101	217.354	217.542	217.440	217.320	217.548	217.229	217.085	20
21	217.265	217.226	217.180	217.192	217.079	217.393	217.429	217.399	217.189	217.436	216.979	217.119	21
22	217.285	217.228	217.173	217.200	217.285	217.328	217.326	217.383	217.066	217.413	217.097	217.198	22
23	217.271	217.228	217.164	217.217	217.503	217.235	217.195	217.494	216.850	217.387	217.060	217.169	23
24	217.296	217.228	217.159	217.220	217.348	217.210	217.498	217.443	217.343	217.051	217.282	217.131	24
25	217.294	217.233	217.174	217.212	217.289	217.399	217.645	217.473	217.274	217.398	217.198	217.139	25
26	217.336	217.233	217.197	217.209	217.187	217.373	217.499	217.529	217.145	216.945	217.308	217.117	26
27	217.265	217.229	217.152	217.212	217.178	217.167	217.343	217.479	217.868	217.335	217.292	217.161	27
28	217.291	217.226	217.142	217.206	217.161	217.445	217.210	217.365	217.572	217.097	217.162	217.156	28
29	217.271		217.146	217.209	217.403	217.357	217.090	217.189	217.316	217.142	216.886	217.119	29
30	217.241		217.154	217.226	217.370	217.140	217.394	217.334	217.350	217.171	216.716	217.143	30
31	217.262		217.157		217.253		217.440	217.483		217.288		217.158	31
MEAN	217.301	217.250	217.184	217.189	217.244	217.305	217.364	217.443	217.362	217.261	217.207	217.139	MEAN
MAX	217.351	217.319	217.224	217.226	217.503	217.582	217.645	217.683	217.868	217.878	217.702	217.211	MAX
MIN	217.241	217.214	217.142	217.118	217.079	217.116	217.069	217.189	216.850	216.894	216.716	217.002	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 217.271
MAXIMUM DAILY, 217.878 ON OCT 18
MINIMUM DAILY, 216.716 ON NOV 30
MAXIMUM INSTANTANEOUS,
218.124 AT 16:20 CST ON SEP 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 50 N
LONG 96 58 58 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO. 05SD002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	217.232E	217.170	217.186	217.203	217.211	217.427	217.383	217.270	---	---	1
2	---	---	217.232E	217.175	217.179	217.186	217.302	217.407	217.272	216.851	---	---	2
3	---	---	217.222	217.177	217.205	217.178	217.345	217.413	217.488	217.159	---	---	3
4	---	---	217.237	217.171	217.193	217.150	217.316	217.404	217.343	217.346	---	---	4
5	---	---	217.236	217.152	217.170	217.240	217.370	217.427	217.271	217.387	---	---	5
6	---	---	217.219	217.133	217.156	217.227	217.308	217.448	217.425	217.339	---	---	6
7	---	---	217.218	217.135	217.153	217.194	217.351	217.435	217.440	217.203	---	---	7
8	---	---	217.214	217.159	217.201	217.257	217.406	217.477	217.367	217.088	---	---	8
9	---	---	217.207	217.172	217.178	217.273	217.380	217.428	217.397	216.991	---	---	9
10	---	---	217.194	217.201	217.131	217.238	217.389	217.419	217.380	217.168	---	---	10
11	---	---	217.186	217.177	217.148	217.245	217.374	217.443	217.419	217.199	---	---	11
12	---	---	217.195	217.156	217.150	217.202	217.398	217.434	217.403	217.079	---	---	12
13	---	---	217.168	217.186	217.151	217.234	217.423	217.422	217.429	217.226	---	---	13
14	---	---	217.171	217.170	217.168	217.224	217.407	217.460	217.419	217.305	---	---	14
15	---	---	217.181	217.171	217.171	217.312	217.412	217.416	217.415	217.283	---	---	15
16	---	---	217.168	217.193	217.161	217.225	217.406	217.373	217.373	217.177	---	---	16
17	---	---	217.168	217.203	217.164	217.277	217.441	217.429	217.340	217.429	---	---	17
18	---	---	217.156	217.166	217.154	217.638	217.419	217.407	217.396	217.404	---	---	18
19	---	---	217.157	217.181	217.156	217.296	217.433	217.419	217.384	217.246	---	---	19
20	---	---	217.157	217.159	217.149	217.335	217.421	217.425	217.327	217.336	---	---	20
21	---	---	217.159	217.169	217.138	217.300	217.416	217.397	217.290	217.287	---	---	21
22	---	---	217.148	217.188	217.197	217.284	217.390	217.407	217.244	217.322	---	---	22
23	---	---	217.147	217.181	217.204	217.243	217.363	217.418	217.321	217.204	---	---	23
24	---	---	217.153	217.174	217.189	217.284	217.485	217.403	217.337	217.256	---	---	24
25	---	---	217.179	217.168	217.213	217.386	217.471	217.432	217.227	217.236	---	---	25
26	---	---	217.166	217.186	217.168	217.295	217.434	217.427	217.351	217.101	---	---	26
27	---	---	217.139	217.177	217.169	217.287	217.399	217.411	217.723	217.183	---	---	27
28	---	---	217.150	217.180	217.185	217.372	217.373	217.393	217.334	217.042	---	---	28
29	---		217.156	217.196	217.255	217.326	217.394	217.371	217.250	217.204E	---	---	29
30	---		217.159	217.182	217.191	217.196	217.418	217.373	217.286	217.204E	---	---	30
31	---		217.160		217.175		217.466	217.483		217.204E		---	31
MEAN	---	---	217.182	217.174	217.174	217.270	217.391	217.420	217.368	217.217	---	---	MEA
MAX	---	---	217.237	217.203	217.255	217.638	217.485	217.483	217.723	217.429	---	---	MAX
MIN	---	---	217.139	217.133	217.131	217.150	217.211	217.371	217.227	216.851	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.723 ON SEP 27

MAXIMUM INSTANTANEOUS,
218.141 AT 09:03 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

E - ESTIMATED

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT MISSION POINT - STATION NO. 05SG001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.264	217.238	217.189	217.215	217.202	---	217.430	217.507	217.407	217.279	217.184	1
2	---	217.277	217.273	217.183	217.224	217.227	---	217.466	217.623	217.740	217.321	217.258	2
3	---	217.279	217.249	217.185	217.172	217.237A	---	217.460	217.257	217.497	217.348	217.161	3
4	---	217.303	217.236	217.197	217.188	---	---	217.478	217.504	217.359	217.265	217.163	4
5	---	217.294	217.217	217.229	217.199	---	---	217.472	217.607	217.298	217.190	217.247	5
6	---	217.293	217.228	217.245	217.212	---	---	217.428	217.416	217.296	217.312	217.316	6
7	---	217.265	217.233	217.213	217.208A	---	217.480A	217.474	217.357	217.442	217.103	217.197	7
8	---	217.276	217.238	217.198	---	---	217.343	217.405	217.466	217.557	217.007	217.195	8
9	---	217.267	217.234	217.195	---	---	217.377	217.451	217.433	217.635	217.246	217.210	9
10	---	217.275	217.233	217.171	---	---	217.401	217.518	217.442	217.434	217.255	217.372	10
11	---	217.272	217.219	217.195	---	---	217.412	217.479	217.373	217.403	217.386	217.206	11
12	---	217.280	217.204	217.219	---	---	217.393	217.484	217.395	217.527	217.350	217.191	12
13	---	217.278	217.220	217.182	---	---	217.402	217.470	217.340	217.373	217.275	217.180	13
14	---	217.298	217.215	217.209	---	---	217.447	217.401	217.158	217.280	217.287	217.177	14
15	---	217.290	217.198	217.216	---	---	217.477	217.476	217.346	217.305	217.301	217.180	15
16	---	217.303	217.194	217.188	---	---	217.495	217.520	217.414	217.373	217.217	217.171	16
17	---	217.283	217.181	217.182	---	---	217.428	217.487	217.440	217.136	217.259	217.180A	17
18	---	217.272	217.189	217.213	---	---	217.448	217.503	217.388	217.135	217.229	---	18
19	---	217.282	217.200	217.201	---	---	217.483	217.511	217.393	217.321	217.191	---	19
20	---	217.300	217.199	217.228	---	---	217.437	217.498	217.478	217.203	217.281	---	20
21	---	217.278	217.198	217.207	---	---	217.457	217.525	217.508	217.239	217.309	---	21
22	---	217.277	217.193	217.187	---	---	217.498	217.515	217.549	217.202	217.306	---	22
23	217.303A	217.274	217.198	217.192	---	---	217.535	217.511	217.395	217.326	217.225	---	23
24	---	217.257	217.198	217.212	217.192	---	217.328	217.514	217.333	217.247	217.201	---	24
25	---	217.264	217.169	217.217	217.196	---	217.331	217.476	217.435	217.279	217.208	---	25
26	---	217.279	217.179	217.206	217.232	---	217.398	217.458	217.589	217.438	217.199	---	26
27	---	217.256	217.220	217.212	217.234	---	217.466	217.477	217.064	217.341	217.170	---	27
28	---	217.259	217.198	217.224	217.228	---	217.495	217.508	217.411	217.428	217.209	---	28
29	217.313A		217.195	217.190	217.141	---	217.504	217.532	217.485	217.378	217.325	---	29
30	217.313		217.202	217.201	217.200	---	217.472	217.545	217.436	217.333	217.277	---	30
31	217.275		217.192		217.227		217.388	217.369		217.229		---	31
MEAN	---	217.278	217.211	217.203	---	---	---	217.479	217.425	217.360	217.251	---	MEAN
MAX	---	217.303	217.273	217.245	---	---	---	217.545	217.623	217.740	217.386	---	MAX
MIN	---	217.256	217.169	217.171	---	---	---	217.369	217.064	217.135	217.007	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.740 ON OCT 2

MAXIMUM INSTANTANEOUS,
217.932 AT 14:11 CST ON OCT 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 99 13 30 W

A - MANUAL GAUGE

REGULATED SINCE 1975

LAKE WINNIPEG AT MONTREAL POINT - STATION NO. 05RF001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.309	217.262	217.230	217.152	217.181	217.192	217.489	217.400	217.448	217.370	---	---	1
2	217.307	217.272	217.222	217.153	217.210	217.216	217.436	217.427	217.679	217.782	---	---	2
3	217.305	217.271	217.224	217.153	217.162	217.229	217.375	217.419	217.274	217.489	---	---	3
4	217.314	217.282	217.220	217.164	217.178	217.250	217.428	217.437	217.472	217.292	---	---	4
5	217.319	217.271	217.203	217.175	217.190	217.210	217.377	217.415	217.587	217.248	---	---	5
6	217.299	217.265	217.222	217.186	217.199	217.209	217.417	217.375	217.363	217.300	---	---	6
7	217.310	217.261	217.221	217.205	217.197	217.221	217.410	217.418	217.342	217.387	---	---	7
8	217.313	217.257	217.211	217.187	217.143	217.198	217.470	217.299	217.434	217.395	---	---	8
9	217.307	217.277	217.215	217.173	217.164	217.208	217.454	217.421	217.425	217.440	---	---	9
10	217.307	217.287	217.213	217.155	217.202	217.220	217.407	217.466	217.437	217.409	---	---	10
11	217.314	217.254	217.221	217.179	217.178	217.217	217.408	217.434	217.379	217.343	---	---	11
12	217.307	217.264	217.198	217.193	217.174	217.246	217.399	217.399	217.400	217.442	---	---	12
13	217.300	217.257	217.208	217.188	217.175	217.197	217.374	217.482	217.333	217.459A	---	---	13
14	217.293	217.253	217.212	217.194	217.137	217.156	217.378	217.355	217.309	---	---	---	14
15	217.298	217.261	217.184	217.192	217.074	217.161	217.397	217.428	217.284	---	---	---	15
16	217.318	217.266	217.179	217.170	217.141	217.300	217.434	217.552	217.380	---	---	---	16
17	217.321	217.247	217.174	217.169	217.165	217.196	217.394	217.437	217.490	---	---	---	17
18	217.307	217.239	217.175	217.195	217.176	217.026	217.447	217.453	217.358	---	---	---	18
19	217.289	217.244	217.167	217.178	217.183	217.334	217.378	217.471	217.311	---	---	---	19
20	217.303	217.241	217.163	217.180	217.192	217.276	217.374	217.443	217.376	---	---	---	20
21	217.311	217.257	217.160	217.173	217.191	217.287	217.402	217.472	217.431	---	---	---	21
22	217.299	217.256	217.167	217.176	217.054	217.313	217.451	217.460	217.530	---	---	---	22
23	217.293	217.241	217.157	217.174	217.069	217.341	217.517	217.411	217.517	---	---	---	23
24	217.277	217.237	217.149	217.179	217.151	217.352	217.276	217.444	217.321	---	---	---	24
25	217.272	217.235	217.131	217.177	217.165	217.296	217.320	217.423	217.362	---	---	---	25
26	217.261	217.232	217.144	217.183	217.205	217.353	217.396	217.472	217.103	---	---	---	26
27	217.286	217.224	217.172	217.184	217.204	217.388	217.468	217.442	216.916	---	---	---	27
28	217.268	217.241	217.171	217.193	217.200	217.308	217.519	217.487	217.321	---	---	---	28
29	217.280		217.159	217.170	217.114	217.366	217.427	217.520	217.393	---	---	---	29
30	217.286		217.158	217.177	217.185	217.467	217.332	217.512	217.348	---	---	---	30
31	217.257		217.161		217.202		217.356	217.306		---		---	31
MEAN	217.298	217.256	217.187	217.178	217.166	217.258	217.410	217.430	217.377	---	---	---	MEAN
MAX	217.321	217.287	217.230	217.205	217.210	217.467	217.519	217.552	217.679	---	---	---	MAX
MIN	217.257	217.224	217.131	217.152	217.054	217.026	217.276	217.299	216.916	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.782 ON OCT 2
MINIMUM DAILY, 216.916 ON SEP 27
MAXIMUM INSTANTANEOUS,
218.006 AT 13:50 CST ON OCT 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1975

LAKE WINNIPEG AT PINE DOCK - STATION NO. 05SD001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.319	217.262	217.214	217.165	217.182	217.224	217.193	217.416	217.399	217.268	217.144	217.146	1
2	217.312	217.247	217.189	217.165	217.162	217.204	217.264	217.360	217.121	216.910	217.123	217.102	2
3	217.305	217.255	217.189	217.171	217.209	217.187	217.338	217.379	217.517	217.088	217.142	217.112	3
4	217.282	217.234	217.207	217.166	217.191	217.153	217.301	217.364	217.292	217.324	217.144	217.154	4
5	217.293	217.247	217.210	217.145	217.181	217.240	217.360	217.408	217.102	217.370	217.256	217.124	5
6	217.315	217.236	217.194	217.121	217.167	217.235	217.314	217.472	217.409	217.337	217.105	217.061	6
7	217.286	217.261	217.187	217.122	217.165	217.188	217.325	217.429	217.469	217.190	217.198	217.136	7
8	217.296	217.242	217.184	217.145	217.209	217.271	217.395	217.536	217.345	217.087	217.472	217.134	8
9	217.301	217.239	217.186	217.159	217.205	217.276	217.375	217.431	217.364	216.967	217.130	217.121	9
10	217.286	217.227	217.174	217.186	217.141	217.250	217.382	217.389	217.340	217.129	217.187	217.030	10
11	217.271	217.234	217.163	217.165	217.173	217.251	217.365	217.427	217.440	217.181	217.030	217.035	11
12	217.291	217.221	217.184	217.139	217.171	217.205	217.383	217.430	217.387	217.061	217.036	217.137	12
13	217.292	217.223	217.159	217.174	217.172	217.239	217.395	217.366	217.460	217.165	217.101	217.119	13
14	217.301	217.214	217.153	217.154	217.178	217.261	217.352	217.487	217.437	217.286	217.121	217.128	14
15	217.292	217.214	217.180	217.152	217.222	217.349	217.363	217.397	217.442	217.270	217.089	217.126	15
16	217.263	217.208	217.159	217.179	217.179	217.241	217.337	217.301	217.353	217.155	217.205	217.131	16
17	217.274	217.221	217.178	217.198	217.167	217.267	217.430	217.403	217.274	217.405	217.185	217.121	17
18	217.261	217.230	217.163	217.160	217.147	217.608	217.382	217.379	217.374	217.469	217.145	217.110	18
19	217.286	217.209	217.158	217.180	217.149	217.306	217.399	217.385	217.368	217.241	217.190	217.088	19
20	217.261	217.199	217.151	217.155	217.136	217.320	217.408	217.416	217.250	217.334	217.095	217.083	20
21	217.267	217.221	217.148	217.161	217.123	217.290	217.378	217.371	217.168	217.278	217.003	217.130	21
22	217.262	217.214	217.141	217.187	217.225	217.272	217.331	217.378	217.097	217.286	217.062	217.154	22
23	217.264	217.214	217.133	217.180	217.242	217.233	217.270	217.416	217.176	217.225	217.097	217.138	23
24	217.267	217.227	217.135	217.174	217.203	217.254	217.500	217.381	217.315	217.173	217.172	217.127	24
25	217.279	217.211	217.165	217.163	217.215	217.370	217.504	217.437	217.221	217.225	217.115	217.121	25
26	217.28	217.202	217.152	217.178	217.162	217.285	217.422	217.433	217.300	217.063	217.115	217.114	26
27	217.253	217.217	217.122	217.177	217.168	217.250	217.334	217.406	217.693	217.159	217.174	217.138	27
28	217.267	217.198	217.135	217.162	217.182	217.361	217.301	217.367	217.354	217.004	217.136	217.132	28
29	217.241		217.136	217.189	217.301	217.311	217.305	217.302	217.242	217.052	217.039	217.130	29
30	217.225		217.141	217.179	217.226	217.195	217.387	217.337	217.269	217.095	217.014	217.132	30
31	217.263		217.144		217.197		217.466	217.517		217.210		217.134	31
MEAN	217.279	217.226	217.166	217.165	217.185	217.270	217.363	217.404	217.333	217.194	217.134	217.118	MEAN
MAX	217.319	217.262	217.214	217.198	217.301	217.608	217.504	217.536	217.693	217.469	217.472	217.154	MAX
MIN	217.225	217.198	217.122	217.121	217.123	217.153	217.193	217.301	217.097	216.910	217.003	217.030	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 217.237
MAXIMUM DAILY, 217.693 ON SEP 27
MINIMUM DAILY, 216.910 ON OCT 2
MAXIMUM INSTANTANEOUS,
218.013 AT 10:34 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 96 47 45 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05SA003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.359	217.333	217.267	217.227	217.251	217.300	217.070	217.521	217.621	217.402	217.231	217.193	1
2	217.336	217.285	217.250	217.205	217.127	217.291	217.132	217.387	217.038	216.940	217.319	217.175	2
3	217.327	217.295	217.230	217.236	217.342	217.227	217.400	217.442	217.459	216.880	217.244	217.075	3
4	217.306	217.263	217.267	217.228	217.276	217.142	217.280	217.407	217.364	217.384	217.187	217.229	4
5	217.289	217.291	217.276	217.189	217.252	217.263	217.386	217.428	216.981	217.534	217.500	217.163	5
6	217.349	217.284	217.251	217.153	217.191	217.294	217.336	217.632	217.386	217.492	217.231	217.131	6
7	217.304	217.310	217.237	217.133	217.193	217.189	217.253	217.500	217.588	217.245	217.296	217.198	7
8	217.297	217.306	217.231	217.187	217.306	217.383	217.413	217.679	217.450	217.092	217.777	217.203	8
9	217.328	217.275	217.237	217.208	217.344	217.335	217.395	217.580	217.325	216.913	217.263	217.163	9
10	217.293	217.263	217.222	217.231	217.133	217.360	217.447	217.394	217.346	216.603	217.319	217.128	10
11	217.273	217.275	217.187	217.227	217.216	217.317	217.417	217.426	217.486	216.523	217.152	217.021	11
12	217.293	217.258	217.233	217.184	217.210	217.272	217.426	217.527	217.410	216.692	217.006	217.190	12
13	217.301	217.261	217.207	217.227	217.217	217.312	217.453	217.334	217.521	216.967	217.111	217.148	13
14	217.340	217.266	217.166	217.204	217.180	217.379	217.420	217.614	217.533	217.397	217.267	217.188	14
15	217.321	217.257	217.244	217.190	217.399	217.494	217.382	217.495	217.609	217.405	217.174	217.169	15
16	217.281	217.237	217.183	217.239	217.265	217.335	217.292	217.293	217.448	217.179	217.311	217.182	16
17	217.283	217.270	217.244	217.284	217.210	217.174	217.513	217.346	217.242	217.590	217.388	217.172	17
18	217.280	217.290	217.202	217.211	217.176	217.684	217.443	217.433	217.352	217.921	217.288	217.153	18
19	217.320	217.261	217.196	217.243	217.159	217.381	217.408	217.324	217.487	217.415	217.405	217.119	19
20	217.298	217.249	217.182	217.207	217.116	217.345	217.528	217.431	217.304	217.573	217.223	217.114	20
21	217.286	217.272	217.186	217.200	217.093	217.372	217.425	217.401	217.162	217.472	216.981	217.158	21
22	217.299	217.262	217.176	217.256	217.271	217.319	217.337	217.387	217.062	217.467	217.109	217.230	22
23	217.291	217.266	217.160	217.249	217.462	217.228	217.204	217.482	216.868	217.430	217.086	217.193	23
24	217.312	217.287	217.172	217.229	217.326	217.210	217.522	217.430	217.348	217.116	217.293	217.157	24
25	217.328	217.269	217.220	217.217	217.290	217.427	217.666	217.472	217.262	217.438	217.192	217.166	25
26	217.357	217.262	217.209	217.234	217.196	217.373	217.512	217.525	217.208	216.986	217.305	217.143	26
27	217.280	217.274	217.146	217.248	217.187	217.168	217.357	217.478	217.798	217.350	217.305	217.189	27
28	217.325	217.260	217.173	217.201	217.172	217.437	217.242	217.369	217.562	217.090	2 .194	217.170	28
29	217.282		217.165	217.274	217.426	217.370	217.116	217.190	217.295	217.147	216.923	217.139	29
30	217.256		217.186	217.248	217.387	217.149	217.395	217.332	217.326	217.190	216.773	217.151	30
31	217.304		217.170		217.251		217.472	217.486		217.319		217.153	31
MEAN	217.306	217.274	217.209	217.219	217.246	217.318	217.375	217.443	217.361	217.231	217.228	217.160	MEAN
MAX	217.359	217.333	217.276	217.284	217.462	217.684	217.666	217.679	217.798	217.921	217.777	217.230	MAX
MIN	217.256	217.237	217.146	217.133	217.093	217.142	217.070	217.190	216.868	216.523	216.773	217.021	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 217.281
MAXIMUM DAILY, 217.921 ON OCT 18
MINIMUM DAILY, 216.523 ON OCT 11
MAXIMUM INSTANTANEOUS,
218.117 AT 05:50 CST ON OCT 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO. 05LD002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.760	252.735	252.769	252.820	252.853	252.810	252.862	252.729	252.744	252.600	252.551	252.567	1
2	252.755	252.734	252.796	252.814	252.841	252.827	252.780	252.743	252.791	252.874	252.603	252.573	2
3	252.769	252.733	252.787	252.822	252.843	252.840	252.818	252.752	252.[illegible]	252.626	252.599	252.561	3
4	252.783	252.751	252.784	252.834	252.846	252.828	252.791	252.725	252.727	252.508	252.558	252.567	4
5	252.771	252.747	252.783	252.846	252.847	252.733	252.810	252.717	252.[illegible]	252.516	252.509	252.563	5
6	252.759	252.754	252.791	252.856	252.849	252.821	252.826	252.662	252.536	252.543	252.586	252.564	6
7	252.777	252.733	252.794	252.843	252.851	252.849	252.742	252.664	252.520	252.629	252.532	252.557	7
8	252.763	252.748	252.789	252.837	252.797	252.785	252.590	252.667	252.619	252.687	252.344	252.559	8
9	252.759	252.743	252.791	252.838	252.835	252.744	252.679	252.697	252.561	252.671	252.[illegible]	252.564	9
10	252.769	252.750	252.798	252.821	252.847	252.711	252.734	252.712	252.592	252.597	252.559	252.577	10
11	252.778	252.750	252.787	252.841	252.839	252.751	252.736	252.673	252.507	252.565	252.632	252.580	11
12	252.774	252.750	252.800A	252.850	252.841	252.808	252.726	252.706	252.519	252.615	252.605	252.572	12
13	252.774	252.761	---	252.827	252.844	252.802	252.781	252.674	252.474	252.509	252.567	252.561	13
14	252.771	252.770	---	252.847	252.859	252.794	252.847E	252.631	252.506	252.523	252.609	252.568	14
15	252.772	252.774	---	252.846	252.819	252.685	252.896A	252.708	252.524	252.575	252.598	252.571	15
16	252.785	252.771	---	252.841	252.859	252.779	252.739	252.743	252.558	252.598	252.521	252.561	16
17	252.782	252.773	---	252.840	252.838	252.775	252.753	252.676	252.585	252.406	252.538	252.575	17
18	252.780	252.773	---	252.851	252.851	252.532	252.772	252.713	252.515	252.397	252.558	252.579	18
19	252.766	252.779	---	252.848	252.847	252.825	252.780	252.665	252.580	252.566	252.536	252.595	19
20	252.780	252.783	---	252.857	252.858	252.816	252.780	252.678	252.700	252.463	252.587	252.601	20
21	252.774	252.780	---	252.829	252.830	252.852	252.802	252.709	252.642	252.462	252.580	252.572	21
22	252.782	252.787	---	252.835	252.801	252.841	252.832	252.683	252.649	252.[illegible]	252.574	252.575	22
23	252.777	252.782	---	252.851	252.760	252.882	252.759	252.[illegible]	252.533	252.526	252.548	252.586	23
24	252.774	252.779	---	252.846	252.803	252.764	252.575	252.680	252.517	252.486	252.561	252.591	24
25	252.766	252.781	---	252.846	252.815	252.707	252.660	252.649	252.604	252.487	252.569	252.591	25
26	252.752	252.784	---	252.847	252.844	252.844	252.734	252.624	252.452	252.628	252.573	252.592	26
27	252.740	252.779	---	252.848	252.850	252.795	252.769	252.659	252.192	252.584	252.554	252.581	27
28	252.744	252.789	---	252.855	252.823	252.779	252.795	252.708	252.573	252.646	252.569	252.[illegible]	28
29	252.753		---	252.837	252.753	252.805	252.730	252.687	252.671	252.589	252.578	252.591	29
30	252.755		---	252.841	252.818	252.906	252.753	252.[illegible]	252.607	252.551	252.570	252.591	30
31	252.740		252.798A		252.862		252.653	252.466		252.472		252.587	31
MEAN	252.767	252.763	---	252.840	252.833	252.790	252.758	252.683	252.572	252.558	252.562	252.576	MEAN
MAX	252.785	252.789	---	252.857	252.862	252.906	252.896	252.752	252.791	252.874	252.632	252.601	MAX
MIN	252.740	252.733	---	252.814	252.753	252.532	252.575	252.466	252.192	252.397	252.344	252.557	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 252.906 ON JUN 30
MINIMUM DAILY, 252.192 ON SEP 27
MAXIMUM INSTANTANEOUS,
252.985 AT 01:09 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 30 N
LONG 100 58 30 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO. 05LH001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.959	252.964	253.006A	253.025	253.041	253.022	252.844	252.906	253.112A	252.676	252.764	252.753	1
2	252.965	252.959	253.003A	253.042	253.062	252.976	252.911	252.893	252.697A	252.293	252.710	252.749	2
3	252.952	252.964	253.008A	253.040	253.061	252.957	252.955	252.874	252.972A	252.659	252.774	252.759	3
4	252.943	252.949	253.012	253.033	253.058	252.940	252.899	252.886	252.572A	252.849	252.771	252.751	4
5	252.958	252.962	253.013	253.026	253.046	253.[illegible]	253.028	252.909	252.577A	252.834	252.833	252.765	5
6	252.963	252.961	253.[illegible]	253.010	253.040	252.994	252.882	253.007	252.832A	252.749	252.714	252.773	6
7	252.955	252.981	253.003	253.007	253.038	253.025	252.982	252.960	252.812A	252.650	252.861	252.778	7
8	252.959	252.963	253.[illegible]	253.026	253.201	253.032	252.887	253.043	252.782A	252.649	252.992	252.774	8
9	252.958	252.969	253.004	253.040	253.043	253.071	252.922	252.929	252.737A	252.676	252.669	252.777	9
10	252.959	252.964	252.998	253.054	252.992	253.066	252.960	252.860	252.729	252.706	252.819	252.767	10
11	252.954	252.967	252.993	253.032	253.038	253.053	252.953	252.911	252.812	252.779	252.702	252.762	11
12	252.962	252.962	253.005	253.025	253.030	252.955	252.961	252.942	252.794	252.674	252.707	252.766	12
13	252.966	252.967	252.992	253.048	253.019	253.062	252.956	252.861	252.859	252.739	252.745	252.769	13
14	252.967	252.963	252.997	253.031	253.070	253.102	252.948	252.991	252.871	252.789	252.727	252.772	14
15	252.962	252.964	253.003	253.037	253.214	253.289	252.881	252.866	252.884	252.749	252.741	252.775	15
16	252.946	252.962	253.006	253.047	253.075	252.973	252.975	252.719	252.746	252.678	252.[illegible]	252.779	16
17	252.955	252.975	253.010	253.057	253.028	253.044	253.018	252.874	252.642	253.123	252.873	252.770	17
18	252.953	252.972	253.005	253.041	252.995	253.457	252.961	252.824	252.784	253.028	252.875	252.773	18
19	252.965	252.971	253.002	253.046	252.975	252.976	252.978	252.881	252.755	252.813	252.843	252.761	19
20	252.949	252.971	253.007	253.036	252.970	253.051	253.016	252.885	252.636	252.952	252.698	252.759	20
21	252.958	252.982	253.008	253.056	253.014	253.005	252.897	252.838	252.647	252.819	252.720	252.794	21
22	252.956	252.983	253.003	253.048	253.280	252.954	252.834	252.845	252.563	252.992	252.738	252.808	22
23	252.963	252.983	253.007	253.044	253.267	252.[illegible]	252.810	252.891	252.617	252.694	252.783	252.796	23
24	252.962	252.990	253.007	253.045	253.109	253.038	253.189	252.881	252.750	252.903	252.762	252.794	24
25	252.974	252.979	253.020	253.047	253.056	253.153	253.057	252.883	252.661	252.810	252.754	252.793	25
26	252.971	252.988	253.009	253.049	252.971	252.946	252.931	252.907	253.311	252.697	252.756	252.796	26
27	252.968	252.996	253.009	253.045	252.955	252.959	252.839	252.833	253.398	252.743	252.755	252.805	27
28	252.964	252.978	253.002	253.046	253.029	253.011	252.713	252.708	252.798	252.657	252.738	252.786	28
29	252.953		253.012	253.063	253.195	252.967	252.879	252.692A	252.686	252.743	252.734	252.786	29
30	252.949		253.013	253.057	253.032	252.775	253.010	252.697A	252.741	252.760	252.745	252.795	30
31	252.970		253.027		252.998		253.023	253.117A		252.814		252.800	31
MEAN	252.959	252.971	253.006	253.040	253.061	253.029	252.938	252.881	252.793	252.765	252.773	252.777	MEAN
MAX	252.974	252.996	253.027	253.063	253.280	253.457	253.189	253.117	253.398	253.123	252.992	252.808	MAX
MIN	252.943	252.949	252.992	253.007	252.955	252.775	252.713	252.692	252.563	252.293	252.669	252.749	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 252.916
MAXIMUM DAILY, 253.457 ON JUN 18
MINIMUM DAILY, 252.293 ON OCT 2
MAXIMUM INSTANTANEOUS,
253.913 AT 23:43 CST ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 45 N
LONG 99 55 07 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAURIE RIVER BELOW LAURIE RIVER HYDRO PLANT - STATION NO. 06EB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.4	29.8	30.8	36.3	18.7	27.6	16.1	13.1	16.6	13.7	16.3	19.0	1
2	23.2	29.5	26.4	35.6	18.5	22.5	15.9	13.1	14.2	14.3	16.2	19.2	2
3	23.6	30.3	20.2	35.3	18.7	22.0	15.7	13.1	10.9	14.3	16.4	18.1	3
4	23.1	31.6	18.6	34.7	18.6	24.2	15.8	12.6	11.6	15.1	18.4	18.3	4
5	23.6	31.8	18.3	33.9	18.2	24.2	16.0	10.4	11.4	15.7	17.9	18.8	5
6	23.9	32.2	17.7	31.8	17.7	23.6	16.2	14.3	11.5	16.0	17.3	19.0	6
7	23.6	31.1	17.6	30.2	18.6	23.3	16.3	14.5	11.6	15.7	16.9	18.9	7
8	23.3	32.4	20.0	31.0	21.4	22.8	16.0	14.2	11.3	15.8	16.8	19.0	8
9	23.0	33.7	16.8	31.0	23.6	22.4	16.2	13.4	11.2	15.8	16.5	18.9	9
10	22.7	34.2	16.7	29.6	25.5	21.0	16.2	12.6	11.4	16.2	15.8	18.8	10
11	21.9	33.4	16.3	27.5	30.6	19.2	16.2	12.7	11.5	16.6	15.9	18.7	11
12	21.1	33.6	16.3	26.6	35.2	18.9	16.0	11.1	11.3	16.3	16.1	18.8	12
13	20.9	33.1	20.5	26.7	36.1	18.8	15.4	12.4	11.6	16.0	16.2	19.4	13
14	23.3	32.4	27.5	26.7	37.1	18.5	14.9	12.7	12.5	15.9	16.0	19.2	14
15	26.5	29.6	28.9	26.6	35.7	18.0	14.3	13.0	13.1	16.0	15.7	18.3	15
16	30.7	29.4	32.3	26.4	33.4	18.4	14.5	13.0	13.1	16.0	15.7	18.9	16
17	32.5	29.5	34.6	25.0	30.7	19.1	14.4	13.3	14.7	16.3	17.0	18.9	17
18	32.5	29.0	35.1	23.6	29.7	19.2	14.0	13.1	14.5	16.0	17.2	18.9	18
19	32.7	29.8	35.2	22.1	29.4	18.3	13.7	12.5	13.7	15.8	17.0	18.5	19
20	32.6	28.4	31.3	20.9	30.4	17.8	13.4	12.7	13.5	16.3	17.2	18.3	20
21	32.5	28.1	32.2	19.8	33.4	16.2	13.4	12.8	13.5	16.3	16.8	17.8	21
22	32.7	29.5	30.8	18.2	36.2	16.7	13.3	12.9	13.3	16.2	17.3	17.8	22
23	33.2	31.0	31.4	16.7	36.9	16.4	13.2	13.0	13.5	15.1	17.3	17.9	23
24	31.7	31.0	32.0	16.5	37.2	16.1	14.0	12.9	12.2	15.9	17.5	18.3	24
25	30.7	31.1	33.1	16.8	36.8	16.1	14.2	12.9	11.8	15.8	18.3	18.4	25
26	30.5	31.2	33.2	19.3	34.9	16.1	14.0	12.6	12.1	16.3	18.5	18.3	26
27	29.9	31.1	34.1	19.6	33.9	16.2	14.4	12.1	11.8	16.3	18.6	18.5	27
28	29.3	30.8	34.7	18.6	34.0	16.3	14.4	11.9	12.9	16.2	18.8	18.7	28
29	29.4		35.3	19.0	34.8	16.1	13.8	11.9	13.5	15.6	19.0	18.2	29
30	29.2		35.8	18.8	34.5	15.8	13.6	11.8	13.4	15.6	19.1	18.0	30
31	29.7		35.8		31.7		13.5	15.7		16.4		17.9	31
TOTAL	846.9	868.6	849.5	764.8	912.1	581.8	459.0	398.3	379.2	489.5	513.7	575.7	TOTAL
MEAN	27.3	31.0	27.4	25.5	29.4	19.4	14.8	12.8	12.6	15.8	17.1	18.6	MEAN
MAX	33.2	34.2	35.8	36.3	37.2	27.6	16.3	15.7	16.6	16.6	19.1	19.4	MAX
MIN	20.9	28.1	16.3	16.5	17.7	15.8	13.2	10.4	10.9	13.7	15.7	17.8	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.9
MAXIMUM DAILY, 37.2 ON MAY 24
MINIMUM DAILY, 10.4 ON AUG 5
MAXIMUM INSTANTANEOUS,
37.3 AT 08:00 CST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 43 N
LONG 101 00 12 W
DRAINAGE AREA, 3 830 km²

REGULATED SINCE 1951

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	73 200	JUL	39 700
FEB	75 000	AUG	34 400
MAR	73 400	SEP	32 800
APR	66 100	OCT	42 300
MAY	78 800	NOV	44 400
JUN	50 300	DEC	49 700

TOTAL DISCHARGE, 660 000 dam³

LIMESTONE RIVER NEAR BIRD - STATION NO. 05UG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.68B	3.35B	2.86B	2.86B	2.96B	55.3	20.0	49.0	12.1	9.87	18.1 B	4.95B	1
2	4.64B	3.31B	2.86B	2.86B	3.18B	51.4	19.6	42.4	12.6	9.06	17.1 B	4.83B	2
3	4.61B	3.28B	2.86B	2.86B	3.28B	47.2	18.0	37.2	12.9	8.57	16.3 B	4.61B	3
4	4.53B	3.28B	2.86B	2.86B	3.48B	44.9	17.0	34.0	12.7	9.09	15.8 B	4.46B	4
5	4.42B	3.24B	2.86B	2.86B	3.62B	44.0	16.3	32.3	12.5	10.0	14.9 B	4.30B	5
6	4.34B	3.21B	2.86B	2.86B	3.95B	43.8	15.5	31.5	12.5	10.1	14.0 B	4.23B	6
7	4.30B	3.18B	2.86B	2.86B	4.49B	43.6	14.9	30.2	11.7	10.3	13.0 B	4.16B	7
8	4.30B	3.18B	2.86B	2.83B	5.21B	43.3	13.8	28.4	11.6	10.6	12.4 B	4.09B	8
9	4.27B	3.14B	2.86B	2.83B	6.25B	43.9	13.4	26.5	12.3	11.3	12.0 B	4.02B	9
10	4.19B	3.11B	2.86B	2.83B	9.16B	42.0	13.1	25.4	11.7	11.7	11.3 B	3.89B	10
11	4.12B	3.08B	2.86B	2.83B	17.1 B	40.9	13.8	23.7	11.6	12.2	10.7 B	3.75B	11
12	4.02B	3.05B	2.86B	2.83B	40.6 B	41.9	12.3	21.2	12.3	14.6	10.1 B	3.68B	12
13	3.99B	3.02B	2.86B	2.83B	54.5 B	40.2	11.8	21.1	11.3	24.6	9.68B	3.62B	13
14	3.95B	2.99B	2.86B	2.83B	73.5 B	38.1	10.4	20.3	11.3	41.1	9.21B	3.58B	14
15	3.92B	2.99B	2.86B	2.83B	98.5 B	37.1	10.7	19.8	11.0	54.2	8.85B	3.48B	15
16	3.89B	2.96B	2.86B	2.83B	123 B	36.4	9.80	20.1	10.6	64.4	8.64B	3.41B	16
17	3.85B	2.96B	2.86B	2.83B	152 B	34.6	9.56	20.6	9.99	71.5	8.22B	3.35B	17
18	3.82B	2.96B	2.86B	2.83B	167 B	35.3	9.88	20.2	9.48	73.9	7.82B	3.28B	18
19	3.82B	2.96B	2.86B	2.83B	193 B	40.9	9.73	19.1	9.69	69.5	7.48B	3.21B	19
20	3.72B	2.93B	2.86B	2.83B	205 B	43.1	8.81	18.6	9.53	60.4	7.05B	3.08B	20
21	3.65B	2.93B	2.86B	2.86B	208 B	41.3	8.14	17.5	8.93	47.8	6.76B	3.02B	21
22	3.62B	2.93B	2.86B	2.86B	199	37.1	8.08	16.4	9.14	42.2	6.53B	3.02B	22
23	3.62B	2.93B	2.86B	2.86B	182	33.4	8.53	15.7	9.72	37.8	6.17B	2.99B	23
24	3.58B	2.89B	2.86B	2.86B	164	30.6	14.2	14.5	9.44	31.3	5.93B	2.99B	24
25	3.55B	2.89B	2.86B	2.89B	145	27.4	37.6	13.6	9.78	26.1	5.85B	2.96B	25
26	3.51B	2.86B	2.86B	2.89B	126	26.1	61.0	13.3	9.58	24.3	5.81B	2.93B	26
27	3.48B	2.86B	2.86B	2.89B	107	25.3	74.0	12.4	10.3	22.6 B	5.61B	2.89B	27
28	3.48B	2.86B	2.86B	2.89B	90.3	24.2	75.2	12.4	10.8	21.8 B	5.36B	2.86B	28
29	3.45B		2.86B	2.89B	77.7	22.6	71.0	12.0	9.91	20.5 B	5.14B	2.83B	29
30	3.41B		2.86B	2.93B	69.1	20.9	62.9	11.0	10.3	19.4 B	5.02B	2.80B	30
31	3.38B		2.86B		61.7		55.1	11.5		18.9 B		2.77B	31
TOTAL	122.11	85.33	88.66	85.63	2 599.58	1 136.8	743.33	691.9	327.29	899.69	290.83	110.04	TOTAL
MEAN	3.94	3.05	2.86	2.85	83.9	37.9	24.0	22.3	10.9	29.0	9.69	3.55	MEAN
MAX	4.68	3.35	2.86	2.93	208	55.3	75.2	49.0	12.9	73.9	18.1	4.95	MAX
MIN	3.38	2.86	2.86	2.83	2.96	20.9	8.08	11.0	8.93	8.57	5.02	2.77	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 19.7
MAXIMUM DAILY, 208B ON MAY 21
MINIMUM DAILY, 2.77B ON DEC 31
MAXIMUM INSTANTANEOUS,
209B AT 08:15 CST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 31 10 N
LONG 94 12 20 W
DRAINAGE AREA, 3 160 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 600	JUL	64 200
FEB	7 370	AUG	59 800
MAR	7 660	SEP	28 300
APR	7 400	OCT	77 700
MAY	225 000	NOV	25 100
JUN	98 200	DEC	9 510

TOTAL DISCHARGE, 621 000 dam³

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO. 06FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.95B	4.53B	3.91B	3.31B	2.83B	113	27.5	24.7	6.20	10.1	17.1 B	6.19B	1
2	5.89B	4.53B	3.85B	3.26B	2.83B	104	27.1	22.3	6.92	10.1	16.5 B	6.00B	2
3	5.83B	4.53B	3.82B	3.26B	2.83B	95.8	28.6	20.4	7.72	10.0	16.0 B	5.82B	3
4	5.78B	4.47B	3.82B	3.26B	2.83B	87.8	27.7	18.9	8.47	10.2	15.5 B	5.63B	4
5	5.72B	4.45B	3.77B	3.26B	2.83B	88.2	25.8	17.9	9.51	11.2	14.8 B	5.44B	5
6	5.66B	4.45B	3.74B	3.23B	2.83B	91.1	23.6	16.1	10.4	11.5	14.3 B	5.28B	6
7	5.64B	4.42B	3.74B	3.23B	2.83B	91.1	23.8	15.3	10.9	11.7	13.8 B	5.11B	7
8	5.61B	4.36B	3.68B	3.17B	2.83B	89.6	26.1	14.5	11.4	11.9	13.3 B	4.96B	8
9	5.55B	4.36B	3.68B	3.17B	2.83B	87.2	26.7	13.9	12.1	11.6	12.9 B	4.83B	9
10	5.49B	4.33B	3.68B	3.14B	2.83B	83.8	26.6	13.0	12.9	12.1	12.5 B	4.68B	10
11	5.44B	4.33B	3.68B	3.14B	2.92B	82.7	25.7	12.5	13.8	13.3	11.9 B	4.52B	11
12	5.38B	4.28B	3.68B	3.09B	3.06B	78.1	24.0	11.5	14.0	15.0	11.5 B	4.38B	12
13	5.32B	4.25B	3.68B	3.09B	5.67B	75.6	22.3	11.4	14.1	20.2	11.0 B	4.29B	13
14	5.32B	4.25B	3.65B	3.09B	12.2 B	72.4	21.5	11.7	13.4	32.5	10.7 B	4.21B	14
15	5.27B	4.25B	3.60B	3.09B	25.4 B	68.2	20.4	11.9	13.2	42.4	10.5 B	4.10B	15
16	5.21B	4.19B	3.60B	3.06B	47.7 B	64.7	18.8	11.3	12.9	50.1	10.3 B	4.03B	16
17	5.15B	4.16B	3.57B	3.06B	76.5 B	61.1	17.3	10.7	12.1	56.6	9.85B	3.96B	17
18	5.10B	4.11B	3.57B	3.06B	115 B	58.7	16.9	10.5	11.8	59.3	9.55B	3.86B	18
19	5.10B	4.11B	3.51B	3.06B	167 B	56.1	17.1	10.2	11.0	54.9	9.16B	3.78B	19
20	5.04B	4.08B	3.48B	3.00B	228 B	52.7	17.1	9.26	10.6	46.3	8.92B	3.70B	20
21	4.98B	4.08B	3.48B	3.00B	242	50.3	17.2	9.00	10.4	46.5	8.64B	3.60B	21
22	4.93B	4.02B	3.48B	2.97B	237	47.1	16.5	8.52	9.98	43.9	8.32B	3.54B	22
23	4.87B	4.02B	3.48B	2.97B	228	43.7	16.3	8.18	9.76	40.0	7.99B	3.50B	23
24	4.87B	3.99B	3.43B	2.97B	217	40.7	19.6	7.37	10.8	35.3	7.76B	3.41B	24
25	4.81B	3.99B	3.40B	2.92B	205	37.8	26.3	6.77	11.2	26.7	7.48B	3.34B	25
26	4.81B	3.94B	3.40B	2.92B	190	34.9	31.7	6.48	10.5	22.5B	7.25B	3.27B	26
27	4.76B	3.91B	3.40B	2.92B	174	33.2	35.0	5.85	10.7	20.9B	6.93B	3.18B	27
28	4.70B	3.91B	3.40B	2.89B	159	31.8	38.4	5.69	10.7	19.9B	6.75B	3.13B	28
29	4.70B		3.34B	2.89B	146	30.1	32.3	5.47	10.4	18.9B	6.56B	3.07B	29
30	4.64B		3.34B	2.83B	134	28.2	30.0	5.25	10.2	18.3B	6.37B	3.03B	30
31	4.59B		3.31B		123		27.5	5.82		17.6B		2.99B	31
TOTAL	162.11	118.30	111.17	92.31	2 766.75	1 979.7	751.4	362.36	328.06	811.5	324.13	130.83	TOTAL
MEAN	5.23	4.23	3.59	3.08	89.3	66.0	24.2	11.7	10.9	26.2	10.8	4.22	MEAN
MAX	5.95	4.53	3.91	3.31	242	113	35.0	24.7	14.1	59.3	17.1	6.19	MAX
MIN	4.59	3.91	3.31	2.83	2.83	28.2	16.3	5.25	6.20	10.0	6.37	2.99	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.7
MAXIMUM DAILY, 242 ON MAY 21
MINIMUM DAILY, 2.83B ON APR 30
MAXIMUM INSTANTANEOUS,
246 AT 13:00 CST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 39 50 W
DRAINAGE AREA, 4 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	14 000	JUL	64 900
FEB	10 200	AUG	31 300
MAR	9 610	SEP	28 300
APR	7 980	OCT	70 100
MAY	239 000	NOV	28 000
JUN	171 000	DEC	11 300

TOTAL DISCHARGE, 686 000 dam³

LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE - STATION NO. 06FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.6B	18.5B	15.0B	13.1B	12.4B	89.0E	41.1	52.3	20.4	17.8	32.2	14.4 B	1
2	22.5B	18.4B	14.9B	13.0B	12.4B	84.8E	40.8	49.3	20.1	17.8	31.3	14.1 B	2
3	22.4B	18.3B	14.8B	13.0B	12.4B	80.1E	39.6	46.0	20.5	17.7	31.8	13.8 B	3
4	22.3B	18.1B	14.7B	13.0B	12.4B	78.3A	39.2	44.5	20.0	17.8	30.8	13.6 B	4
5	22.2B	18.0B	14.6B	12.9B	12.4B	77.1	37.8	42.4	20.0	17.8	30.0	13.4 B	5
6	22.0B	17.9B	14.5B	12.9B	12.4B	75.2	36.7	40.5	20.0	18.5	29.2	13.2 B	6
7	21.9B	17.7B	14.4B	12.8B	12.4B	72.9	37.0	38.1	20.3	17.8	28.8	13.1 B	7
8	21.9B	17.5B	14.4B	12.8B	12.4B	70.2	36.4	36.8	20.2	18.1	27.5	13.0 B	8
9	21.8B	17.4B	14.3B	12.8B	12.5B	67.7	35.4	35.2	20.4	18.3	26.1	12.6 B	9
10	21.7B	17.3B	14.2B	12.7B	13.7B	65.8	34.1	33.7	20.4	19.1	24.6	12.4 B	10
11	21.5B	17.2B	14.1B	12.7B	15.5B	65.1	34.0	32.5	20.4	19.3	24.3	12.3 B	11
12	21.4B	17.1B	14.1B	12.7B	21.0B	63.9	33.4	30.6	20.5	19.5	23.9	12.0 B	12
13	21.2B	16.9B	14.0B	12.6B	42.9B	64.5	33.2	30.2	19.9	21.2	22.8B	11.8 B	13
14	21.1B	16.8B	13.9B	12.6B	75.8B	63.4	33.0	30.1	19.2	24.0	22.3B	11.6 B	14
15	20.9B	16.6B	13.8B	12.5B	95.9B	61.6	32.5	28.8	19.5	28.5	21.8B	11.5 B	15
16	20.8B	16.5B	13.8B	12.5B	109 B	60.6	31.7	27.9	19.9	34.4	21.2B	11.4 B	16
17	20.5B	16.5B	13.7B	12.5B	116 B	58.8	30.4	27.4	19.7	40.9	20.5B	11.3 B	17
18	20.4B	16.4B	13.7B	12.5B	121 B	58.3	29.8	26.7	19.5	46.6	20.0B	11.2 B	18
19	20.2B	16.3B	13.6B	12.5B	125 B	55.5	29.2	26.4	19.8	49.0	19.5B	11.0 B	19
20	20.1B	16.1B	13.5B	12.5B	128 B	54.6	28.6	25.7	19.8	50.8	19.1B	10.9 B	20
21	20.0B	16.0B	13.5B	12.5B	130 B	52.0	27.0	25.6	19.5	52.9	18.5B	10.8 B	21
22	19.9B	15.8B	13.4B	12.4B	131 B	51.4	27.1	24.9	19.8	51.2	17.9B	10.7 B	22
23	19.8B	15.7B	13.4B	12.4B	131 B	50.6	27.6	23.9	19.7	47.6	17.5B	10.6 B	23
24	19.6B	15.6B	13.3B	12.4B	130 E	49.4	31.2	22.7	19.6	45.4	16.9B	10.5 B	24
25	19.5B	15.4B	13.3B	12.4B	126 E	48.1	37.1	22.5	19.0	42.5	16.4B	10.4 B	25
26	19.4B	15.3B	13.2B	12.4B	120 E	46.8	45.3	21.8	19.3	39.8	16.2B	10.3 B	26
27	19.2B	15.3B	13.2B	12.4B	114 E	45.5	52.1	21.3	18.9	36.9	15.7B	10.2 B	27
28	19.0B	15.2B	13.2B	12.4B	109 E	43.5	55.3	21.6	18.3	35.3	15.3B	10.1 B	28
29	18.9B		13.1B	12.4B	103 E	42.7	57.3	21.1	18.0	33.9	15.1B	10.1 B	29
30	18.8B		13.1B	12.4B	97.5E	42.1	56.3	20.6	18.1	33.2	14.7B	9.98B	30
31	18.7B		13.1B		92.6E		55.2	20.6		32.4		9.92B	31
TOTAL	642.2	469.8	429.8	378.7	2 259.6	1 839.5	1 165.4	951.7	590.7	966.0	671.9	362.20	TOTAL
MEAN	20.7	16.8	13.9	12.6	72.9	61.3	37.6	30.7	19.7	31.2	22.4	11.7	MEAN
MAX	22.6	18.5	15.0	13.1	131	89.0	57.3	52.3	20.5	52.9	32.2	14.4	MAX
MIN	18.7	15.2	13.1	12.4	12.4	42.1	27.0	20.6	18.0	17.7	14.7	9.92	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.4
MAXIMUM DAILY, 131B ON MAY 22
MINIMUM DAILY, 9.92B ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 54 00 N
LONG 95 48 00 W
DRAINAGE AREA, 5 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	55 500	JUL	101 000
FEB	40 600	AUG	82 200
MAR	37 100	SEP	51 000
APR	32 700	OCT	83 500
MAY	195 000	NOV	58 100
JUN	159 000	DEC	31 300

TOTAL DISCHARGE, 927 000 dam³

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO. 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.995B	0.345B	0.301B	2.76B	5.07	4.73	3.15 E	0.353	0.398	0.697	1.40	1.77 B	1
2	0.952B	0.310B	0.350B	3.44B	4.89	4.92	3.23 E	0.299	0.392	0.913	1.62	1.49 B	2
3	0.901B	0.281B	0.511B	4.15B	4.82	4.91	3.07 E	0.320	0.511	1.08	1.88	1.23 B	3
4	0.850B	0.233B	0.651B	4.63	4.79	4.59	2.85 E	0.286	0.491	1.00	1.91	1.02 B	4
5	0.850B	0.201B	0.748B	6.20	4.74	4.29	2.59 E	0.357	0.453	0.978	1.77	0.897B	5
6	0.850B	0.163B	0.848B	7.20	4.75	4.19	2.34 E	0.339	0.369	0.889	1.69	0.787B	6
7	0.834B	0.133B	0.833B	7.51	4.84	4.17	2.48 A	0.340	0.327	0.821	1.75	0.743B	7
8	0.762B	0.183B	0.710B	8.22	4.82	4.20	2.48	0.458	0.212	0.786	1.71B	0.649B	8
9	0.730B	0.162B	0.623B	8.28	4.74A	4.18	2.24	0.432	0.178	0.734	2.75B	0.597B	9
10	0.730B	0.186B	0.598B	6.69	4.55E	3.97	2.07	0.654	0.169	0.730	2.06B	0.570B	10
11	0.722B	0.222B	0.691B	5.83	4.33E	3.84	1.89	0.842	0.145	0.647	2.07B	0.559B	11
12	0.684B	0.245B	1.27 B	5.40	4.15E	3.73	1.81	0.850	0.152	0.672	2.61B	0.540B	12
13	0.677B	0.221B	1.94 B	5.11	4.13E	3.59	1.68	0.793	0.123	0.678	2.52B	0.536B	13
14	0.658B	0.238B	1.92 B	4.85	3.96E	3.52	1.47	0.697	0.144	0.645	2.52B	0.520B	14
15	0.619B	0.263B	1.68 B	4.67	3.79E	3.39	1.37	0.617	0.132	0.779	2.33B	0.501B	15
16	0.599B	0.276B	1.70 B	4.44	3.62E	3.34	1.42	0.546	0.115	1.02	2.12B	0.495B	16
17	0.593B	0.300B	1.64 B	4.39	3.47E	3.47	1.26	0.529	0.115	1.03	1.89B	0.513B	17
18	0.580B	0.344B	1.35 B	4.40	3.21A	3.70	1.11	0.520	0.100	0.820	1.82B	0.500B	18
19	0.549B	0.351B	1.08 B	4.25	3.16	3.71	0.995	0.436	0.085	0.809	1.46B	0.516B	19
20	0.532B	0.350B	1.06 B	4.17	3.08	3.63	0.966	0.367	0.081	0.802	3.45B	0.532B	20
21	0.546B	0.329B	0.988B	4.12	2.95	3.50	1.06	0.315	0.087	0.883	2.49B	0.450B	21
22	0.529B	0.283B	1.08 B	4.42	2.87	3.38	1.03	0.259	0.117	0.894B	2.02B	0.439B	22
23	0.507B	0.278B	1.02 B	4.62	3.03	3.06A	0.941	0.241	0.124	0.935B	1.82B	0.459B	23
24	0.489B	0.313B	1.08 B	4.57	3.24	3.23E	0.939	0.258	0.113	0.893B	1.53B	0.444B	24
25	0.493B	0.310B	1.00 B	4.79	3.70	3.23E	0.817	0.273	0.117	0.850B	1.34B	0.349B	25
26	0.470B	0.285B	1.17 B	4.82	4.28	3.23E	0.734	0.252	0.282	0.842B	1.52B	0.381B	26
27	0.502B	0.277B	0.934B	4.81	4.59	3.21E	0.664	0.284	0.244	0.834B	1.80B	0.403B	27
28	0.481B	0.275B	1.02 B	4.79	4.94	3.22E	0.578	0.317	0.207	0.956	1.97B	0.456B	28
29	0.452B		1.36 B	5.04	5.37	3.23E	0.480	0.329	0.200	1.01	2.06B	0.581B	29
30	0.440B		1.33 B	5.20	4.93	3.07E	0.440	0.331	0.441	1.19	1.97B	0.584B	30
31	0.417B		1.90 B		4.63		0.407	0.416		1.23		0.581B	31
TOTAL	19.993	7.357	33.386	153.77	129.44	112.43	48.561	13.310	6.624	27.047	59.85	20.092	TOTAL
MEAN	0.645	0.263	1.08	5.13	4.18	3.75	1.57	0.429	0.221	0.872	2.00	0.648	MEAN
MAX	0.995	0.351	1.94	8.28	5.37	4.92	3.23	0.850	0.511	1.23	3.45	1.77	MAX
MIN	0.417	0.133	0.301	2.76	2.87	3.06	0.407	0.241	0.081	0.645	1.34	0.349	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.73
MAXIMUM DAILY, 8.28 ON APR 9
MINIMUM DAILY, 0.081 ON SEP 20
MAXIMUM INSTANTANEOUS,
9.92 AT 19:59 CST ON APR 8

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 28 N
LONG 99 54 00 W
DRAINAGE AREA, 2 620 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 730	JUL	4 200
FEB	636	AUG	1 150
MAR	2 880	SEP	572
APR	13 300	OCT	2 340
MAY	11 200	NOV	5 170
JUN	9 710	DEC	1 740

TOTAL DISCHARGE, 54 600 dam³

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO. 05MF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.70B	1.50B	1.17B	1.28	4.58	4.31	4.23	1.09	1.09	1.03	1.10	2.27E	1
2	1.69B	1.50B	1.16B	1.27	4.72	4.06	5.17	1.09	1.08	1.02	1.12	2.40E	2
3	1.69B	1.51B	1.17B	1.26	4.75	4.12	4.59	1.08	1.08	1.03	1.12	2.36E	3
4	1.70B	1.51B	1.17B	1.25	4.60	4.43	4.11	1.09	1.08	1.02	1.11	2.33E	4
5	1.71B	1.50B	1.16B	1.24	4.48	4.95	3.99	1.10	1.09	1.02	1.15	2.29E	5
6	1.71B	1.51B	1.15B	1.23	4.44	4.77	3.51	1.09	1.09	1.01	1.15	2.24E	6
7	1.70B	1.55B	1.14B	1.24	4.32	4.54	3.38	1.09	1.08	1.01	1.15	2.19E	7
8	1.57B	1.54B	1.14B	1.31	4.63	4.14	3.20	1.11	1.08	1.03	1.18	2.10E	8
9	1.57B	1.54B	1.14B	2.33	4.05	3.98	2.86	1.09	1.08	1.03	1.17	2.02E	9
10	1.57B	1.55B	1.14B	3.84	4.14	3.85	2.80	1.11	1.07	1.03	1.14	1.95B	10
11	1.57B	1.55B	1.15	5.28	4.23	3.67	2.57	1.10	1.08	1.03	1.12A	1.86B	11
12	1.57B	1.55B	1.17	5.84	4.04	3.54	2.39	1.11	1.08	1.05	1.12E	1.77B	12
13	1.57B	1.55B	1.19	6.00	3.98	3.63	2.31	1.12	1.08	1.04	1.12E	1.68B	13
14	1.56B	1.54B	1.19	5.62	3.86	3.50	2.16	1.12	1.07	1.04	1.12E	1.60B	14
15	1.55B	1.55B	1.21	5.43	4.13	3.65	1.93	1.13	1.10	1.05	1.12E	1.53B	15
16	1.56B	1.54B	1.23	5.26	3.74	3.26	1.79	1.12	1.13	1.04	1.12E	1.45B	16
17	1.55B	1.54B	1.25	5.09	3.33	3.27	1.71	1.13	1.14	1.04	1.12E	1.47B	17
18	1.55B	1.55B	1.26	4.87	3.14	3.11	1.58	1.12	1.13	1.04	1.12E	1.47B	18
19	1.55B	1.54B	1.28	4.40	3.02	2.77	1.65	1.13	1.13	1.04	1.12E	1.47B	19
20	1.54B	1.54B	1.28	4.20	2.96	2.78	1.86	1.12	1.11	1.04	1.12E	1.48B	20
21	1.53B	1.55B	1.30	4.20	3.03	2.97	1.67	1.12	1.10	1.05	1.12E	1.48B	21
22	1.52B	1.55B	1.31	4.17	3.44	3.29	1.47	1.12	1.10	1.05	1.12E	1.49B	22
23	1.51B	1.54B	1.33	4.05	2.96	3.35	1.31	1.16	1.10	1.05	1.15E	1.49B	23
24	1.51B	1.55B	1.35	4.17	2.95	3.61	1.22	1.12	1.09	1.06	1.19E	1.48B	24
25	1.51B	1.54B	1.35	4.10	2.92	3.80	1.13	1.11	1.09	1.06	1.31E	1.49B	25
26	1.50B	1.40B	1.34	4.16	2.87	3.83	1.10	1.10	1.09	1.06	1.48E	1.48B	26
27	1.49B	1.18B	1.33	4.21	2.89	3.98	1.09	1.11	1.08	1.07	1.57E	1.48B	27
28	1.48B	1.17B	1.32	4.32	3.13	4.21	1.09	1.10	1.06	1.08	1.74E	1.48B	28
29	1.49B		1.30	4.73	3.65	4.51	1.08	1.10	1.05	1.07	1.89E	1.48B	29
30	1.49B		1.30	4.81	3.76	4.21	1.09	1.12	1.05	1.08	2.07E	1.48B	30
31	1.49B		1.28		4.24		1.09	1.12		1.09		1.48B	31
TOTAL	48.70	42.14	38.26	111.16	116.98	114.09	71.13	34.42	32.68	32.36	37.23	58.24	TOTA
MEAN	1.57	1.51	1.23	3.71	3.77	3.80	2.29	1.11	1.09	1.04	1.24	1.75	MEAN
MAX	1.71	1.55	1.35	6.00	4.75	4.95	5.17	1.16	1.14	1.09	2.07	2.40	MAX
MIN	1.48	1.17	1.14	1.23	2.87	2.77	1.08	1.08	1.05	1.01	1.10	1.45	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.01
MAXIMUM DAILY, 6.00 ON APR 13
MINIMUM DAILY, 1.01 ON OCT 6
MAXIMUM INSTANTANEOUS,
6.23 AT 07:55 CST ON APR 13

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 26 N
LONG 100 12 56 W
DRAINAGE AREA, 3 910 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 210	JUL	6 150
FEB	3 640	AUG	2 970
MAR	3 310	SEP	2 820
APR	9 600	OCT	2 800
MAY	10 100	NOV	3 220
JUN	9 860	DEC	4 690

TOTAL DISCHARGE, 63 400 dam³

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO. 05MH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.006B	0.090	0.005	0	0	0	0.005	0.027	---	---	1
2	---	---	0.003B	0.081	0.020	0	0	0	0.195	0.020	---	---	2
3	---	---	0.008B	0.083	0.029	0	0	0	0.145	0.015	---	---	3
4	---	---	0.005B	0.064	0.026	0	0	0	0.034	0.020	---	---	4
5	---	---	0.006B	0.089	0.027	0	0	0	0.022	0.026	---	---	5
6	---	---	0.004B	0.080	0.026	0	0	0	0.012	0.028	---	---	6
7	---	---	0.002B	0.048	0.028	0	0	0	0.002	0.023	---	---	7
8	---	---	0.002B	0.059	0.027	0	0	0	0.003	0.031	---	---	8
9	---	---	0.005B	0.038	0.026	0	0	0	0.003	0.021	---	---	9
10	---	---	0.016B	0.035	0.025	0	0	0	0.068	0.015	---	---	10
11	---	---	0.034B	0.037	0.024	0	0	0	0.022	0.010	---	---	11
12	---	---	0.140B	0.033	0.020	0	0	0	0.003	0.009	---	---	12
13	---	---	0.619B	0.030	0.017	0	0	0	0.002	0.012	---	---	13
14	---	---	0.946B	0.031	0.013	0	0	0	0.001	0.010	---	---	14
15	---	---	0.668B	0.033	0.010	0	0	0	0	0.005	---	---	15
16	---	---	0.441B	0.030	0.022	0	0	0	0	0.013	---	---	16
17	---	---	0.290B	0.028	0.037	0	0	0	0	0.120	---	---	17
18	---	---	0.160B	0.037	0.035	0	0	0	0	0.094	---	---	18
19	---	---	0.125B	0.038	0.032	0	0	0	0	0.083	---	---	19
20	---	---	0.098B	0.035	0.026	0	0	0	0	0.017	---	---	20
21	---	---	0.085B	0.032	0.018	0	0	0	0	0.006	---	---	21
22	---	---	0.078B	0.029	0.012	0	0	0	0	0.002	---	---	22
23	---	---	0.081B	0.025	0.006	0	0	0	0	0.002	---	---	23
24	---	---	0.093B	0.022	0.005	0	0	0	0	0.001	---	---	24
25	---	---	0.086B	0.019	0.004	0	0	1.71	0	0.002	---	---	25
26	---	---	0.087B	0.016	0.003	0	0	2.11	0.005	0.002	---	---	26
27	---	---	0.074	0.011	0.001	0	0	0.844	0.016	0.003	---	---	27
28	---	---	0.104	0.006	0	0	0	0.355	0.008	0.002	---	---	28
29	---		0.119	0.003	0	0	0	0.194	0.040	0.002	---	---	29
30	---		0.101	0.001	0	0	0	0.047	0.054	0	---	---	30
31	---		0.084		0		0	0.022		0		---	31
TOTAL	---	---	4.570	1.163	0.524	0	0	5.282	0.640	0.621	---	---	TOTAL
MEAN	---	---	0.147	0.039	0.017	0	0	0.170	0.021	0.020	---	---	MEAN
MAX	---	---	0.946	0.090	0.037	0	0	2.11	0.195	0.120	---	---	MAX
MIN	---	---	0.002	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.052
MAXIMUM DAILY, 2.11 ON AUG 26
MINIMUM DAILY, 0 ON MAY 28
MAXIMUM INSTANTANEOUS,
4.43 AT 16:44 CST ON AUG 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 56 N
LONG 99 50 52 W
DRAINAGE AREA, 453 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	456
MAR	395	SEP	55.3
APR	100	OCT	53.7
MAY	45.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 110 dam³

LITTLE WOODY RIVER NEAR BARROWS - STATION NO. 05LC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.049B	0.078B	1.12 A	0.490	0.465	0.583	0.034	0.826	---	---	1
2	---	---	0.049B	0.083B	1.12 E	0.426	1.32	0.471	0.032	0.788	---	---	2
3	---	---	0.049B	0.090B	1.13 E	0.384	0.974	0.361	0.032	0.741	---	---	3
4	---	---	0.049B	0.098B	1.15 E	0.351	0.683	0.291	0.035	0.666	---	---	4
5	---	---	0.049B	0.112B	1.15 E	0.333	0.514	0.248	0.040	0.577	---	---	5
6	---	---	0.049B	0.142B	1.16	0.311	0.436	0.233	0.042	0.495	---	---	6
7	---	---	0.049B	0.178B	1.14	0.324	0.361	0.200	0.043	0.425	---	---	7
8	---	---	0.049B	0.218B	1.09	0.429	0.309	0.179	0.042	0.390	---	---	8
9	---	---	0.049B	0.263B	0.896	0.629	0.261	0.170	0.038	0.378	---	---	9
10	---	---	0.049B	0.308B	0.849	0.625	0.226	0.169	0.034	0.381	---	---	10
11	---	---	0.052B	0.358B	0.772	0.553	0.202	0.165	0.032	0.389	---	---	11
12	---	---	0.055B	0.413B	0.750	0.460	0.193	0.162	0.033	1.15	---	---	12
13	---	---	0.057B	0.475B	0.730	0.401	0.189	0.153	0.034	4.64	---	---	13
14	---	---	0.059B	0.542B	0.702	0.400	0.179	0.148	0.042	2.94	---	---	14
15	---	---	0.060B	0.740B	0.668	0.486	0.207	0.147	0.037	1.68	---	---	15
16	---	---	0.060B	0.974B	0.600	0.505	1.57	0.134	0.041	1.23	---	---	16
17	---	---	0.060B	1.26 B	0.554	0.530	2.21	0.124	0.043	2.15	---	---	17
18	---	---	0.060B	1.60 B	0.530	1.98	1.16	0.116	0.041	1.99	---	---	18
19	---	---	0.060B	1.99 B	0.504	0.998	0.781	0.108	0.040	1.44	---	---	19
20	---	---	0.060B	2.44 B	0.490	0.526	0.618	0.102	0.042	1.15	---	---	20
21	---	---	0.060B	2.92 B	0.462	0.341	0.474	0.087	0.046	1.01 A	---	---	21
22	---	---	0.060B	3.51 B	0.456	0.277	0.372	0.083	0.053	0.956E	---	---	22
23	---	---	0.060B	3.55 B	0.439	0.536	0.317	0.077	0.078	0.908E	---	---	23
24	---	---	0.061B	3.54 B	0.414	1.21	0.371	0.074	0.074	0.822E	---	---	24
25	---	---	0.063B	3.46 B	0.394	1.05	0.431	0.067	0.080	0.761E	---	---	25
26	---	---	0.064B	2.94 B	0.377	0.811	0.366	0.066	1.14	0.789E	---	---	26
27	---	---	0.065B	2.47 E	0.368	0.714	0.296	0.057	2.89	0.767E	---	---	27
28	---	---	0.067B	2.06 E	0.404	0.619	0.242	0.051	1.70	0.715E	---	---	28
29	---		0.068B	1.68 E	0.524	0.490	0.222	0.044	1.14	0.680E	---	---	29
30	---		0.070B	1.36 E	0.635	0.375	0.212	0.042	0.921	0.650A	---	---	30
31	---		0.073B		0.562		0.400	0.038		0.628E		---	31
TOTAL	---	---	1.784	39.852	22.140	17.564	16.561	4.950	8.869	33.112	---	---	TOTAL
MEAN	---	---	0.058	1.33	0.714	0.585	0.534	0.160	0.296	1.07	---	---	MEAN
MAX	---	---	0.073	3.55	1.16	1.98	2.21	0.583	2.89	4.64	---	---	MAX
MIN	---	---	0.049	0.078	0.368	0.277	0.179	0.038	0.032	0.378	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.591
MAXIMUM DAILY, 4.64 ON OCT 13
MINIMUM DAILY, 0.032 ON SEP 2
MAXIMUM INSTANTANEOUS,
6.03 AT 12:55 CST ON OCT 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 00 N
LONG 101 34 00 W
DRAINAGE AREA, 69.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 430
FEB	---	AUG	428
MAR	154	SEP	766
APR	3 440	OCT	2 860
MAY	1 910	NOV	---
JUN	1 520	DEC	---

TOTAL DISCHARGE, 12 500 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO. 05RD010

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.816	28.713	28.618	28.559	28.682	28.806	29.358	29.363	29.121	28.989	29.078	29.078	1
2	28.813	28.708	28.614	28.566	28.694	28.811	29.367	29.361	29.112	28.988	29.087	29.081	2
3	28.808	28.703	28.609	28.567	28.704	28.815	29.378	29.359	29.094	28.983	29.094	29.084	3
4	28.805	28.698	28.605	28.566	28.717	28.816	29.384	29.352	29.089	28.993	29.098	29.087	4
5	28.805	28.697	28.601	28.565	28.726	28.817	29.384	29.347	29.077	28.999	29.101	29.089	5
6	28.801	28.692	28.597	28.569	28.735	28.825	29.383	29.340	29.072	29.001	29.104	29.097	6
7	28.799	28.687	28.592	28.573	28.743	28.829	29.377	29.332	29.068	29.002	29.102	29.105	7
8	28.796	28.682	28.592	28.573	28.751	28.831	29.373	29.328	29.067	29.006	29.097	29.106	8
9	28.793	28.679	28.589	28.574	28.752	28.839	29.370	29.314	29.064	29.011	29.097	29.108	9
10	28.790	28.675	28.583	28.579	28.757	28.838	29.368	29.305	29.065	29.017	29.093	29.112	10
11	28.788	28.669	28.579	28.579	28.759	28.837	29.363	29.295	29.062	29.022	29.092	29.116	11
12	28.785	28.665	28.573	28.578	28.758	28.839	29.354	29.286	29.063	29.029	29.088	29.117	12
13	28.782	28.662	28.571	28.574	28.757	28.844	29.349	29.274	29.058	29.048	29.084	29.121	13
14	28.780	28.662	28.566	28.572	28.756	28.842	29.346	29.260	29.053	29.061	29.081	29.122	14
15	28.778	28.664	28.561	28.571	28.752	28.860	29.341	29.252	29.047	29.075	29.078	29.123	15
16	28.775	28.664	28.557	28.575	28.750	28.880	29.351	29.241	29.040	29.084	29.078	29.124	16
17	28.773	28.661	28.553	28.585	28.744	28.896	29.363	29.235	29.032	29.088	29.079	29.124	17
18	28.770	28.661	28.548	28.588	28.739	28.950	29.361	29.226	29.023	29.090	29.081	29.123	18
19	28.765	28.659	28.544	28.586	28.735	28.995	29.358	29.219	29.015	29.092	29.079	29.123	19
20	28.760	28.655	28.543	28.587	28.733	29.019	29.353	29.226	29.006	29.087	29.076	29.126	20
21	28.758	28.652	28.539	28.589	28.728	29.040	29.349	29.219	28.995	29.080	29.072	29.128	21
22	28.754	28.649	28.535	28.596	28.724	29.058	29.346	29.212	28.984	29.070	29.070	29.129	22
23	28.751	28.646	28.531	28.604	28.737	29.074	29.345	29.203	28.973	29.061	29.070	29.128	23
24	28.748	28.640	28.530	28.610	28.749	29.104	29.359	29.193	28.968	29.051	29.070	29.132	24
25	28.740	28.634	28.525	28.614	28.761	29.177	29.355	29.182	28.963	29.042	29.069	29.137	25
26	28.736	28.632	28.524	28.631	28.763	29.223	29.352	29.168	28.979	29.038	29.070	29.129	26
27	28.733	28.627	28.524	28.644	28.769	29.252	29.349	29.155	28.989	29.034	29.070	29.123	27
28	28.728	28.623	28.530	28.656	28.774	29.285	29.342	29.143	28.995	29.027	29.071	29.116	28
29	28.723		28.538	28.666	28.782	29.317	29.334	29.129	28.994	29.024	29.074	29.116	29
30	28.719		28.547	28.673	28.791	29.341	29.338	29.115	28.992	29.023	29.076	29.105	30
31	28.716		28.554		28.799		29.361	29.113		29.056		29.105	31
MEAN	28.771	28.666	28.564	28.592	28.746	28.969	29.358	29.250	29.035	29.038	29.083	29.113	MEAN
MAX	28.816	28.713	28.618	28.673	28.799	29.341	29.384	29.363	29.121	29.092	29.104	29.137	MAX
MIN	28.716	28.623	28.524	28.559	28.682	28.806	29.334	29.113	28.963	28.983	29.069	29.078	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 28.934
MAXIMUM DAILY, 29.384 ON JUL 4
MINIMUM DAILY, 28.524 ON MAR 26
MAXIMUM INSTANTANEOUS,
29.391 AT 11:48 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 96 05 20 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LONG RIVER NEAR HOLMFIELD - STATION NO. 05OA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.195B	0.230B	0.096	0.253	0.268	0.001	0.038	0.016	---	---	1
2	---	0 B	0.117B	0.207B	0.128	0.195	0.216	0.002	0.023	0.015	---	---	2
3	---	0 B	0.069B	0.195B	0.161	0.133	0.175	0.003	0.025	0.017	---	---	3
4	---	0 B	0.054B	0.184E	0.164	0.103	0.129	0.027	0.021	0.056	---	---	4
5	---	0 B	0.049B	0.172E	0.146	0.113	0.110	0.052	0.026	0.059	---	---	5
6	---	0 B	0.046B	0.156E	0.125	0.147	0.123	0.551	0.106	0.031	---	---	6
7	---	0 B	0.046B	0.148E	0.130	0.113	0.097	0.538	0.125	0.031	---	---	7
8	---	0 B	0.051B	0.132A	0.137	0.059	0.041	0.362	0.135	0.034	---	---	8
9	---	0 B	0.059B	0.125A	0.120	0.086	0.025	0.259	0.116	0.032	---	---	9
10	---	0 B	0.085B	0.098A	0.106	0.078	0.015	0.182	0.082	0.028	---	---	10
11	---	0 B	0.127B	0.079A	0.104	0.028	0.013	0.094	0.039	0.029	---	---	11
12	---	0 B	0.163B	0.059A	0.095	0.020	0.020	0.049	0.029	0.033	---	---	12
13	---	0 B	0.204B	0.067A	0.082	0.018	0.015	0.030	0.023	0.045	---	---	13
14	---	0 B	0.241B	0.094A	0.069	0.027	0.011	0.021	0.020	0.043	---	---	14
15	---	0 B	0.265B	0.072A	0.084	0.050	0.010	0.020	0.018	0.036	---	---	15
16	---	0.001B	0.279B	0.076A	0.079	0.050	0.007	0.019	0.015	0.032	---	---	16
17	---	0.004B	0.305B	0.081A	0.072	0.052	0.007	0.013	0.015	0.113	---	---	17
18	---	0.015B	0.319B	0.081A	0.061	0.059	0.006	0.009	0.017	0.181	---	---	18
19	---	0.117B	0.334B	0.069A	0.052	0.044	0.005	0.005	0.013	0.158	---	---	19
20	---	0.363B	0.338B	0.064A	0.056	0.041	0.004	0.005	0.072	0.132	---	---	20
21	---	0.737B	0.345B	0.054A	0.079	0.073	0.003	0.005	0.033	0.097	---	---	21
22	---	1.00 B	0.349B	0.073A	0.162	0.131	0.002	0.006	0.011	0.064	---	---	22
23	---	1.06 B	0.345B	0.072A	0.306	0.264	0.002	0.169	0.008	0.054	---	---	23
24	---	0.910B	0.338B	0.067A	0.491	0.353	0.002	0.274	0.006	0.046	---	---	24
25	---	0.762B	0.327B	0.050A	0.528	0.356	0.002	0.346	0.005	0.043	---	---	25
26	---	0.653B	0.319B	0.054A	0.519	0.356	0.001	0.354	0.011	0.038	---	---	26
27	---	0.543B	0.305B	0.051A	0.498	0.348	0.001	0.191	0.007	0.036	---	---	27
28	---	0.401B	0.298B	0.091A	0.441	0.319	0.001	0.112	0.011	0.037	---	---	28
29	---		0.278B	0.058	0.355	0.286	0.001	0.070	0.010	0.036	---	---	29
30	---		0.260B	0.076	0.281	0.285	0.002	0.043	0.013	0.040	---	---	30
31	---		0.241B		0.269		0.002	0.040		0.042		---	31
TOTAL	---	6.566	6.751	3.031	5.996	4.438	1.316	3.852	1.073	1.654	---	---	TOTAL
MEAN	---	0.235	0.218	0.101	0.193	0.148	0.042	0.124	0.036	0.053	---	---	MEAN
MAX	---	1.06	0.349	0.230	0.528	0.356	0.268	0.551	0.135	0.181	---	---	MAX
MIN	---	0	0.046	0.050	0.052	0.018	0.001	0.001	0.005	0.015	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 0.551 ON AUG 6
MINIMUM DAILY, 0.001 ON JUL 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 51 N
LONG 99 24 51 W
DRAINAGE AREA, 578 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	114
FEB	567	AUG	333
MAR	583	SEP	92.7
APR	262	OCT	143
MAY	518	NOV	---
JUN	383	DEC	---

TOTAL DISCHARGE, 2 430 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LONG RIVER NEAR LYONSHALL - STATION NO. 05OA014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.109B	0.302B	0.084	0.184	0.203	0	0.004	0.003	---	---	1
2	---	0 B	0.064B	0.297B	0.077	0.184	0.190	0	0.001	0.002	---	---	2
3	---	0 B	0.042B	0.268B	0.076	0.191	0.182	0	0	0.005	---	---	3
4	---	0 B	0.032B	0.225B	0.071	0.194	0.183	0	0	0.027	---	---	4
5	---	0 B	0.021B	0.188	0.064	0.189	0.178	0.024	0	0.026	---	---	5
6	---	0 B	0.021B	0.171	0.065	0.200	0.165	0.034	0.022	0.028	---	---	6
7	---	0 B	0.021B	0.150	0.067	0.195	0.136	0.010	0.020	0.024	---	---	7
8	---	0 B	0.025B	0.136	0.071	0.203	0.102	0.001	0.009	0.020	---	---	8
9	---	0 B	0.032B	0.128	0.072	0.201	0.084	0	0.003	0.018	---	---	9
10	---	0 B	0.042B	0.118	0.084	0.194	0.078	0	0.001	0.017	---	---	10
11	---	0 B	0.053B	0.115	0.083	0.192	0.094	0	0	0.013	---	---	11
12	---	0 B	0.064B	0.110	0.087	0.193	0.090	0	0	0.026	---	---	12
13	---	0 B	0.093B	0.097	0.100	0.204	0.073	0	0	0.033	---	---	13
14	---	0 B	0.123B	0.093	0.111	0.218	0.052	0	0	0.037	---	---	14
15	---	0 B	0.146B	0.099	0.128	0.229	0.054	0	0	0.040	---	---	15
16	---	0.001B	0.184B	0.098	0.127	0.233	0.044	0	0	0.039	---	---	16
17	---	0.006B	0.226B	0.072	0.126	0.242	0.005	0	0	0.042	---	---	17
18	---	0.053B	0.240B	0.069	0.128	0.237	0.002	0	0	0.035	---	---	18
19	---	0.158B	0.240B	0.070	0.137	0.258	0.004	0	0	0.038	---	---	19
20	---	0.302B	0.230B	0.069	0.135	0.262	0.001	0	0	0.038	---	---	20
21	---	0.488B	0.197B	0.068	0.133	0.283	0	0	0	0.034	---	---	21
22	---	0.720B	0.197B	0.065	0.153	0.305	0	0	0	0.026	---	---	22
23	---	0.977B	0.214B	0.057	0.180	0.363	0	0.014	0	0.017	---	---	23
24	---	1.09 B	0.221B	0.055	0.235	0.368	0	0.050	0	0.020	---	---	24
25	---	0.956B	0.234B	0.049	0.250	0.337	0	0.068	0	0.023	---	---	25
26	---	0.670B	0.242B	0.043	0.251	0.317	0	0.064	0	0.022	---	---	26
27	---	0.410B	0.252B	0.041	0.246	0.310	0	0.039	0	0.019	---	---	27
28	---	0.240B	0.253B	0.045	0.247	0.287	0	0.020	0	0.019	---	---	28
29	---		0.267B	0.061	0.253	0.258	0	0.009	0	0.021	---	---	29
30	---		0.303B	0.079	0.222	0.229	0	0.003	0.001	0.018	---	---	30
31	---		0.308B		0.196		0.001	0.003		0.011		---	31
TOTAL	---	6.071	4.696	3.438	4.259	7.260	1.921	0.339	0.061	0.741	---	---	TOTAL
MEAN	---	0.217	0.151	0.115	0.137	0.242	0.062	0.011	0.002	0.024	---	---	MEAN
MAX	---	1.09	0.308	0.302	0.253	0.368	0.203	0.068	0.022	0.042	---	---	MAX
MIN	---	0	0.021	0.041	0.064	0.184	0	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.093
MAXIMUM DAILY, 0.368 ON JUN 24
MINIMUM DAILY, 0 ON JUL 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 55 N
LONG 99 48 04 W
DRAINAGE AREA, 158 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	166
FEB	525	AUG	29.3
MAR	406	SEP	5.27
APR	297	OCT	64.0
MAY	368	NOV	---
JUN	627	DEC	---

TOTAL DISCHARGE, 1 960 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

LOON RIVER ABOVE BRITTON LAKE - STATION NO. 06EA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.726B	0.565B	0.506B	0.506B	0.747	1.66	0.872	0.545	0.311	0.190	0.192B	0.170B	1
2	0.721B	0.562B	0.506B	0.506B	0.904	1.59	0.876	0.538	0.308	0.185	0.192B	0.170B	2
3	0.717B	0.558B	0.506B	0.506B	1.11	1.52	0.861	0.555	0.335	0.200	0.192B	0.170B	3
4	0.712B	0.555B	0.506B	0.506B	1.46	1.46	0.865	0.558	0.346	0.190	0.192B	0.170B	4
5	0.708B	0.551B	0.506B	0.506B	1.89	1.29	0.829	0.549	0.361	0.175	0.192B	0.170B	5
6	0.699B	0.548B	0.506B	0.506B	2.90	1.35	0.780	0.545	0.365	0.182	0.190B	0.169B	6
7	0.690B	0.544B	0.506B	0.506B	4.48	1.34	0.795	0.538	0.345	0.185	0.190B	0.169B	7
8	0.685B	0.541B	0.506B	0.506B	5.80	1.41	0.741	0.530	0.319	0.175	0.190B	0.169B	8
9	0.681B	0.537B	0.506B	0.506B	6.40	1.48	0.744	0.513	0.313	0.195	0.188B	0.169B	9
10	0.677B	0.534B	0.506B	0.506B	6.48	1.48	0.733	0.483	0.302	0.230	0.188B	0.168B	10
11	0.673B	0.530B	0.506B	0.506B	6.27	1.45	0.683	0.476	0.302	0.232	0.188B	0.168B	11
12	0.669B	0.527B	0.506B	0.506B	5.92	1.41	0.655	0.461	0.278	0.240	0.188B	0.168B	12
13	0.665B	0.527B	0.506B	0.506B	5.64	1.36	0.638	0.447	0.283	0.252	0.188B	0.168B	13
14	0.665B	0.523B	0.506B	0.506B	5.32	1.32	0.605	0.423	0.268	0.256	0.188B	0.168B	14
15	0.657B	0.523B	0.506B	0.506B	4.94	1.24	0.573	0.409	0.255	0.256	0.185B	0.168B	15
16	0.645B	0.520B	0.506B	0.506B	4.78	1.25	0.561	0.406	0.246	0.265	0.185B	0.168B	16
17	0.641B	0.520B	0.506B	0.506B	4.56	1.21	0.558	0.397	0.239	0.253	0.185B	0.168B	17
18	0.637B	0.516B	0.506B	0.506B	4.38	1.14	0.512	0.383	0.235	0.251	0.185B	0.168B	18
19	0.633B	0.516B	0.506B	0.506B	4.32	1.09	0.498	0.380	0.224	0.248	0.185B	0.168B	19
20	0.625B	0.513B	0.506B	0.509B	4.24	1.12	0.479	0.361	0.220	0.242	0.185B	0.168B	20
21	0.617B	0.513B	0.506B	0.513B	4.08	1.11	0.473	0.360	0.200	0.232	0.185B	0.168B	21
22	0.609B	0.513B	0.506B	0.516B	3.82	1.00	0.431	0.403	0.190	0.233	0.185B	0.168B	22
23	0.605B	0.509B	0.506B	0.520B	3.62	0.988	0.511	0.449	0.214	0.227	0.181B	0.168B	23
24	0.601B	0.509B	0.506B	0.527B	3.31	0.982	0.614	0.453	0.218	0.226	0.181B	0.168B	24
25	0.597B	0.509B	0.506B	0.537B	3.17	0.965	0.632	0.434	0.211	0.206	0.181B	0.165B	25
26	0.593B	0.506B	0.506B	0.547	2.94	0.917	0.636	0.412	0.196	0.201	0.181B	0.165B	26
27	0.589B	0.506B	0.506B	0.585	2.75	0.933	0.613	0.388	0.192	0.196	0.180B	0.165B	27
28	0.585B	0.506B	0.506B	0.635	2.53	0.881	0.624	0.370	0.185	0.198B	0.180B	0.165B	28
29	0.581B		0.506B	0.671	2.20	0.915	0.595	0.353	0.195	0.196B	0.178B	0.165B	29
30	0.577B		0.506B	0.683	2.06	0.904	0.581	0.327	0.194	0.194B	0.174B	0.165B	30
31	0.569B		0.506B		1.84		0.567	0.326		0.194B		0.165B	31
TOTAL	20.049	14.781	15.686	15.857	114.861	36.765	20.135	13.772	7.850	6.705	5.574	5.201	TOTAL
MEAN	0.647	0.528	0.506	0.529	3.71	1.23	0.650	0.444	0.262	0.216	0.186	0.168	MEAN
MAX	0.726	0.565	0.506	0.683	6.48	1.66	0.876	0.558	0.365	0.265	0.192	0.170	MAX
MIN	0.569	0.506	0.506	0.506	0.747	0.881	0.431	0.326	0.185	0.175	0.174	0.165	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.769
MAXIMUM DAILY, 6.48 ON MAY 10
MINIMUM DAILY, 0.165B ON DEC 2
MAXIMUM INSTANTANEOUS,
6.58 AT 11:53 CST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 16 N
LONG 101 51 30 W
DRAINAGE AREA, 1 420 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 730	JUL	1 740
FEB	1 280	AUG	1 190
MAR	1 360	SEP	678
APR	1 370	OCT	579
MAY	9 920	NOV	482
JUN	3 180	DEC	449

TOTAL DISCHARGE, 24 000 dam³

MAIN DRAIN 4A NEAR DOMINION CITY - STATION NO. 05OD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.500B	0.221	0	0.009	0.002	0	0.001A	0	---	---	1
2	---	---	0.400B	0.250	0	0.005	0.001	0.001A	0 A	0	---	---	2
3	---	---	0.300B	0.189	0	0.002	0.001	0 A	0	0	---	---	3
4	---	---	0.180B	0.116	0	0.001	0.001	0.002A	0	0	---	---	4
5	---	---	0.150B	0.098	0	0.002	0.001	0.002	0	0	---	---	5
6	---	---	0.140B	0.086	0	0.001	0.001	0.001	0.005A	0	---	---	6
7	---	---	0.160B	0.076	0	0.001	0.001	0	0.001	0	---	---	7
8	---	---	0.185B	0.063E	0	0.001	0	0	0	0	---	---	8
9	---	---	0.220B	0.053E	0	0.001	0	0	0 A	0	---	---	9
10	---	---	0.260B	0.041E	0	0.001	0	0	0	0	---	---	10
11	---	---	0.300B	0.030E	0	0.001	0	0	0	0	---	---	11
12	---	---	0.350B	0.023E	0	0	0	0	0	0	---	---	12
13	---	---	0.380B	0.019E	0 A	0.001	0	0	0	0.001	---	---	13
14	---	---	0.420B	0.013E	0	0.001	0	0	0	0.001	---	---	14
15	---	---	0.455B	0.010E	0	0.001	0.001	0	0 A	0.001	---	---	15
16	---	---	0.452B	0.008E	0	0.001	0	0	0	0.001	---	---	16
17	---	---	0.446B	0.005E	0	0.001	0	0 A	0	0.001	---	---	17
18	---	---	0.435B	0.002E	0	0.001	0	0 A	0	0.001	---	---	18
19	---	---	0.426B	0.001E	0	0.001	0	0	0	0.002	---	---	19
20	---	---	0.403B	0.001E	0	0.001	0	0	0	0.003	---	---	20
21	---	---	0.379B	0.001E	0	0	0	0.001A	0	0.004	---	---	21
22	---	---	0.355B	0	0.010E	0	0	0 A	0	0.002	---	---	22
23	---	---	0.331B	0	0.040	0.001	0	0.001A	0	0.002	---	---	23
24	---	---	0.307B	0	0.072	0.001	0	0	0	0.001	---	---	24
25	---	---	0.283B	0	0.081	0.011	0	0	0	0.001	---	---	25
26	---	---	0.269B	0	0.055	0.015	0	0	0	0.001	---	---	26
27	---	---	0.251	0	0.037	0.016	0	0	0	0.001	---	---	27
28	---	---	0.314	0 A	0.030	0.013	0	0	0	0.001A	---	---	28
29	---		0.464	0	0.051	0.009	0	0	0	0.001E	---	---	29
30	---		0.308	0	0.030	0.004	0	0	0	0.001E	---	---	30
31	---		0.280		0.013		0	0.001A		0.001E		---	31
TOTAL	---	---	10.083	1.306	0.419	0.103	0.009	0.009	0.007	0.027	---	---	TOTAL
MEAN	---	---	0.325	0.044	0.014	0.003	0	0	0	0.001	---	---	MEAN
MAX	---	---	0.500	0.250	0.081	0.016	0.002	0.002	0.005	0.004	---	---	MAX
MIN	---	---	0.140	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.049
MAXIMUM DAILY, 0.500B ON MAR 1
MINIMUM DAILY, 0 ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.78
FEB	---	AUG	0.78
MAR	671	SEP	0.60
APR	113	OCT	2.33
MAY	36.2	NOV	---
JUN	8.90	DEC	---

TOTAL DISCHARGE, 1 030 dam³

MAIN DRAIN 4B NEAR FREDENSTHAL - STATION NO. 05OD029

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.123B	0.048	0	0	0	0	0	0	---	---	1
2	---	---	0.062B	0.057	0	0	0	0	0	0	---	---	2
3	---	---	0.037B	0.030	0	0	0	0	0	0	---	---	3
4	---	---	0.015B	0.015	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.010	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.008	0	0	0	0	0A	0	---	---	6
7	---	---	0 B	0.006	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.004	0	0	0	0	0	0	---	---	8
9	---	---	0.011B	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0.015B	0.001	0	0	0	0	0A	0	---	---	10
11	---	---	0.025B	0.001	0	0	0	0	0	0	---	---	11
12	---	---	0.031B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.037B	0	0	0	0	0	0	0.002	---	---	13
14	---	---	0.044B	0	0	0	0	0	0	0.006	---	---	14
15	---	---	0.049B	0	0	0	0	0	0	0.017	---	---	15
16	---	---	0.038B	0	0	0	0	0	0	0.010	---	---	16
17	---	---	0.025B	0	0	0	0	0	0	0.006	---	---	17
18	---	---	0.022B	0	0	0	0	0	0	0.004	---	---	18
19	---	---	0.019B	0	0	0	0	0	0	0.002	---	---	19
20	---	---	0.012B	0	0	0	0	0	0	0.001	---	---	20
21	---	---	0.013B	0	0	0	0	0	0	0.001	---	---	21
22	---	---	0.012B	0	0	0.003	0	0	0	0	---	---	22
23	---	---	0.015B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.023B	0	0	0.006	0	0	0	0	---	---	24
25	---	---	0.029B	0	0.004	0.007	0	0	0	0	---	---	25
26	---	---	0.036B	0	0.003	0.014	0	0	0	0	---	---	26
27	---	---	0.030B	0	0	0.013	0	0	0	0	---	---	27
28	---	---	0.094B	0	0	0.008	0	0	0	0 A	---	---	28
29	---		0.104B	0	0.001	0.003	0	0	0	0	---	---	29
30	---		0.051B	0	0	0.001	0	0	0	0	---	---	30
31	---		0.027		0		0	0		0		---	31
TOTAL	---	---	0.999	0.182	0.008	0.055	0	0	0	0.049	---	---	TOTAL
MEAN	---	---	0.032	0.006	0	0.002	0	0	0	0.002	---	---	MEAN
MAX	---	---	0.123	0.057	0.004	0.014	0	0	0	0.017	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.123B ON MAR 1
MINIMUM DAILY, 0B ON MAR 5
MAXIMUM INSTANTANEOUS,
0.147B AT 21:10 CST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 42 N
LONG 97 03 18 W
DRAINAGE AREA, 23.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	86.3	SEP	0
APR	15.7	OCT	4.23
MAY	0.69	NOV	---
JUN	4.75	DEC	---

TOTAL DISCHARGE, 112 dam³

MANIGOTAGAN RIVER NEAR MANIGOTAGAN - STATION NO. 05RA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.84B	2.56B	2.33B	3.48	3.89	3.21	4.24	5.66	10.0	8.56	8.10	5.36B	1
2	3.55B	2.57B	2.31B	3.52	3.73	3.13	4.19	5.50	10.1	8.33	7.97	5.28B	2
3	3.8^B	2.56B	2.35B	3.66	3.63	3.02	4.08	5.51	9.94	8.17	7.74	5.26B	3
4	3.72B	2.53B	2.36B	3.63	3.62	2.88	3.92	5.43	9.83	8.25	7.50	5.15B	4
5	3.66B	2.64B	2.35B	3.63	3.60	2.90	3.81	5.40	9.84	8.16	7.51	5.12B	5
6	3.62B	2.76B	2.34B	3.55	3.56	2.92	3.92	5.66	10.9	8.04	7.43	5.08B	6
7	3.60B	2.84B	2.48B	3.60	3.56	2.78	3.98	5.88	11.2	7.88	7.21	4.96B	7
8	3.58B	2.84B	2.53B	3.64	3.53	2.71	4.00	5.98	10.9	7.80	7.08	4.98B	8
9	3.56B	2.71B	2.54B	3.64	3.37	2.57	3.90	6.06	11.0	7.71	6.94	4.87B	9
10	3.56B	2.68B	2.61B	3.60	3.30	2.52	3.94	6.09	10.9	7.75	6.87	4.69B	10
11	3.56B	2.70B	2.56B	3.60	3.26	2.56	3.94	6.15	11.2	7.70	6.83	4.46B	11
12	3.54B	2.74B	2.55B	3.67	3.19	2.62	3.87	6.29	11.3	7.78	6.89	4.32B	12
13	3.54B	2.84B	2.57B	3.36	2.97	2.56	3.88	6.35	11.2	8.14	6.88	4.10B	13
14	3.52B	3.01B	2.55B	3.48	2.79	2.77	3.94	6.44	11.2	8.09	6.83	3.83B	14
15	3.48B	3.27B	2.56B	3.37	2.57	3.99	4.07	6.59	11.1	8.10	6.77	3.63B	15
16	3.48B	3.20B	2.55B	3.33	2.48	4.99	4.12	6.72	11.0	7.91	6.71	3.43B	16
17	3.42B	3.23B	2.60B	3.25	2.41	5.40	4.11	7.02	11.0	7.80	6.77	3.40B	17
18	3.38B	3.11B	2.60B	3.19	2.37	7.08	4.07	7.40	10.9	7.79	6.80B	3.18B	18
19	3.38B	2.95B	2.60B	3.18	2.30	9.03	3.99	7.81	10.6	7.67	6.78B	3.30B	19
20	3.38B	2.83B	2.62B	3.18	2.22	9.04	3.95	8.22	10.5	7.71	6.63B	3.28B	20
21	3.37B	2.83B	2.64B	3.27	2.35	8.05	3.93	8.59	10.3	7.52	6.47B	3.32B	21
22	3.37B	2.79B	2.64B	3.40	2.34	7.15	3.98	8.93	10.1	7.42	6.36B	3.56B	22
23	3.37B	2.63B	2.64B	3.64	2.45	6.47	4.07	9.34	9.77	7.43	6.15B	3.46B	23
24	3.34B	2.52B	2.64B	3.85	2.76	6.20	6.01	9.44	9.64	7.27	5.97B	3.39B	24
25	3.26B	2.44B	2.67B	3.93	3.17	6.07	6.22	9.71	9.54	7.30	5.87B	3.24B	25
26	3.04B	2.41B	2.72B	3.96	3.29	5.90	5.82	9.93	9.42	7.05	5.59B	2.99B	26
27	2.83B	2.37B	2.79B	3.92	3.33	5.54	5.75	9.99	9.11	7.09	5.51B	2.99B	27
28	2.64B	2.35B	2.90B	3.92	3.34	5.18	5.56	10.0	8.96	7.32	5.47B	2.91B	28
29	2.59B		3.10B	3.86	3.31	4.92	5.48	9.90	8.79	7.55	5.39B	2.68B	29
30	2.50B		3.22B	3.91	3.32	4.56	5.55	9.90	8.60	7.71	5.36B	2.55B	30
31	2.41B		3.42B		3.29		5.77	9.92		8.16		2.49B	31
TOTAL	103.89	76.91	81.34	107.22	95.30	138.72	138.06	231.81	308.84	241.16	200.38	121.26	TOTAL
MEAN	3.35	2.75	2.62	3.57	3.07	4.62	4.45	7.48	10.3	7.78	6.68	3.91	MEAN
MAX	3.84	3.27	3.42	3.96	3.89	9.04	6.22	10.0	11.3	8.56	8.10	5.36	MAX
MIN	2.41	2.35	2.31	3.18	2.22	2.52	3.81	5.40	8.60	7.05	5.36	2.49	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.05
MAXIMUM DAILY, 11.3 ON SEP 12
MINIMUM DAILY, 2.22 ON MAY 20
MAXIMUM INSTANTANEOUS,
11.7 AT 15:37 CST ON SEP 6

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 96 17 00 W
DRAINAGE AREA, 1 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 980	JUL	11 900
FEB	6 650	AUG	20 000
MAR	7 030	SEP	26 700
APR	9 260	OCT	20 800
MAY	8 230	NOV	17 300
JUN	12 000	DEC	10 500

TOTAL DISCHARGE, 159 000 dam³

MANISTIKWAN LAKE NEAR FLIN FLON - STATION NO. 05KG006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	1.291	1.314	1.294	1.257	1.199	1.156	---	---	1
2	---	---	---	---	1.302	1.311	1.303	1.256	1.202	1.154	---	---	2
3	---	---	---	---	1.311	1.311	1.298	1.254	1.201	1.152	---	---	3
4	---	---	---	---	1.323	1.307	1.299	1.255	1.192	1.152	---	---	4
5	---	---	---	---	1.325	1.307	1.294	1.255	1.195	1.148	---	---	5
6	---	---	---	---	1.327	1.306	1.290	1.253	1.194	1.151	---	---	6
7	---	---	---	---	1.331	1.318	1.289	1.253	1.194	1.148	---	---	7
8	---	---	---	---	1.330	1.333	1.277	1.251	1.189	1.146	---	---	8
9	---	---	---	---	1.322	1.337	1.273	1.246	1.189	1.154	---	---	9
10	---	---	---	---	1.319	1.336	1.270	1.241	1.186	1.163	---	---	10
11	---	---	---	---	1.320	1.335	1.267	1.241	1.185	1.162	---	---	11
12	---	---	---	---	1.322	1.333	1.265	1.233	1.183	1.169	---	---	12
13	---	---	---	---	1.322	1.333	1.261	1.227	1.180	1.179	---	---	13
14	---	---	---	---	1.325	1.328	1.260	1.225	1.184	1.181	---	---	14
15	---	---	---	---	1.324	1.329	1.263	1.220	1.184	1.178	---	---	15
16	---	---	---	---	1.320	1.328	1.265	1.219	1.178	1.183	---	---	16
17	---	---	1.267A	---	1.321	1.328	1.262	1.218	1.174	1.186	---	---	17
18	---	---	---	---	1.321	1.316	1.259	1.216	1.175	1.183	---	---	18
19	---	---	---	---	1.320	1.321	1.259	1.215	1.170	1.183	---	---	19
20	---	---	---	---	1.320	1.317	1.252	1.214	1.167	1.182	---	---	20
21	---	---	---	---	1.322	1.313	1.249	1.214	1.160	1.181	---	---	21
22	---	---	---	1.266A	1.328	1.306	1.244	1.215	1.162	1.175	---	---	22
23	---	---	---	---	1.322	1.294	1.276	1.224	1.169	1.173	---	---	23
24	---	---	---	---	1.323	1.297	1.284	1.223	1.168	1.174	---	---	24
25	---	---	---	---	1.320	1.293	1.279	1.221	1.164	1.171	---	---	25
26	---	---	---	---	1.319	1.290	1.271	1.220	1.175	1.174	---	---	26
27	---	---	---	---	1.321	1.301	1.264	1.215	1.175	1.173	---	---	27
28	---	---	---	---	1.326	1.296	1.265	1.210	1.167	1.171	---	---	28
29	---		---	---	1.328	1.295	1.271	1.210	1.166	1.170A	---	---	29
30	---		---	---	1.320	1.291	1.264	1.212	1.164	1.170E	---	---	30
31	---		---		1.318		1.263	1.209		1.170E		---	31
MEAN	---	---	---	---	1.321	1.314	1.272	1.230	1.180	1.168	---	---	MEAN
MAX	---	---	---	---	1.331	1.337	1.303	1.257	1.202	1.186	---	---	MAX
MIN	---	---	---	---	1.291	1.290	1.244	1.209	1.160	1.146	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.337 ON JUN 9

MAXIMUM INSTANTANEOUS,
1.340 AT 19:45 CST ON JUN 5

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 46 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

MANNING CANAL NEAR ILE DES CHENES - STATION NO. 05OE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.229B	0.504B	0.037	0.164	0.707	0.114	0.078	0.230	---	---	1
2	---	---	0.205B	0.558	0.035	0.118	0.405	0.134	0.068	0.257	---	---	2
3	---	---	0.183B	0.531	0.034	0.087	0.256	0.224	0.058	0.501	---	---	3
4	---	---	0.125B	0.428	0.031	0.067	0.162	0.164	0.075	0.484	---	---	4
5	---	---	0.125B	0.321	0.029	0.056	0.083	0.114	0.063	0.346	---	---	5
6	---	---	0.125B	0.249	0.034	0.052	0.055	0.120	0.053	0.334	---	---	6
7	---	---	0.109B	0.200	0.036	0.052	0.031	0.145	0.055	0.267	---	---	7
8	---	---	0.103B	0.167	0.033	0.047	0.014	0.279	0.110	0.159	---	---	8
9	---	---	0.109B	0.144	0.027	0.037	0.006	0.738	0.832	0.093	---	---	9
10	---	---	0.192B	0.127	0.026	0.028	0.002	0.640	0.955	0.066	---	---	10
11	---	---	0.266B	0.113	0.024	0.023	0.001	0.380	0.504	0.054	---	---	11
12	---	---	0.340B	0.106	0.015	0.018	0.001	0.208	0.213	0.055	---	---	12
13	---	---	0.416B	0.098	0.012	0.017	0	0.133	0.102	0.081	---	---	13
14	---	---	0.457B	0.091	0.011	0.017	0	0.084	0.057	0.167	---	---	14
15	---	---	0.497B	0.085	0.009	0.016	0.006	0.050	0.032	0.376	---	---	15
16	---	---	0.514B	0.081	0.008	0.014	0.013	0.025	0.016	0.294	---	---	16
17	---	---	0.514B	0.075	0.007	0.018	0.009	0.008	0.008	0.178	---	---	17
18	---	---	0.497B	0.074	0.007	0.042	0.004	0.001	0.003	0.118	---	---	18
19	---	---	0.497B	0.075	0.006	0.039	0.001	0	0.001	0.097	---	---	19
20	---	---	0.497B	0.073	0.005	0.029	0	0	0	0.094	---	---	20
21	---	---	0.505B	0.070	0.006	0.024	0	0.100	0	0.085	---	---	21
22	---	---	0.539B	0.066	0.193	0.020	0	0.315	0	0.096B	---	---	22
23	---	---	0.562B	0.062	0.822	0.018	0	0.499	0	0.461B	---	---	23
24	---	---	0.588B	0.060	1.52	0.022	0	0.381	0	0.572B	---	---	24
25	---	---	0.620B	0.059	1.28	0.022	0.009	0.220	0	0.526B	---	---	25
26	---	---	0.639B	0.057	0.667	0.019	0.116	0.134	0.002	0.455B	---	---	26
27	---	---	0.661B	0.054	0.410	0.065	0.158	0.119	0.018	0.376B	---	---	27
28	---	---	0.844B	0.051	0.521	0.300	0.147	0.155	0.105	0.284	---	---	28
29	---		0.759B	0.047	0.509	3.62	0.129	0.116	0.311	0.230A	---	---	29
30	---		0.652B	0.041	0.406	1.43	0.122	0.079	0.267	0.245E	---	---	30
31	---		0.550B		0.276		0.135	0.072		0.260E		---	31
TOTAL	---	---	12.919	4.667	7.036	6.481	2.572	5.751	3.986	7.841	---	---	TOTAL
MEAN	---	---	0.417	0.156	0.227	0.216	0.083	0.186	0.133	0.253	---	---	MEAN
MAX	---	---	0.844	0.558	1.52	3.62	0.707	0.738	0.955	0.572	---	---	MAX
MIN	---	---	0.103	0.041	0.005	0.014	0	0	0	0.054	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.209
MAXIMUM DAILY, 3.62 ON JUN 29
MINIMUM DAILY, 0 ON JUL 13
MAXIMUM INSTANTANEOUS,
3.94 AT 08:00 CST ON JUN 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 96 54 20 W
DRAINAGE AREA, 490 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	222
FEB	---	AUG	497
MAR	1 120	SEP	344
APR	403	OCT	677
MAY	608	NOV	---
JUN	560	DEC	---

TOTAL DISCHARGE, 4 430 dam³

MAPLE (MARSHY) LAKE NEAR PIPESTONE - STATION NO. 05NG022

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	430.122E	430.042	DRY	DRY	DRY	DRY	DRY	DRY	---	---	1
2	---	---	430.122E	430.041	DRY	DRY	DRY	DRY	DRY	DRY	---	---	2
3	---	---	430.122E	430.041	DRY	DRY	DRY	DRY	DRY	DRY	---	---	3
4	---	---	430.122E	430.037	DRY	DRY	DRY	DRY	DRY	DRY	---	---	4
5	---	---	430.122E	430.038	DRY	DRY	DRY	DRY	DRY	DRY	---	---	5
6	---	---	430.122E	430.037	DRY	DRY	DRY	DRY	DRY	DRY	---	---	6
7	---	---	430.122E	430.037	DRY	DRY	DRY	DRY	DRY	DRY	---	---	7
8	---	---	430.122E	430.039	DRY	DRY	DRY	DRY	DRY	DRY	---	---	8
9	---	---	430.122E	430.035	DRY	DRY	DRY	DRY	DRY	DRY	---	---	9
10	---	---	430.122E	430.034	DRY	DRY	DRY	DRY	DRY	DRY	---	---	10
11	---	---	430.122A	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	11
12	---	---	430.118	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	12
13	---	---	430.115	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	13
14	---	---	430.114	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	14
15	---	---	430.114	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	15
16	---	---	430.110	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	16
17	---	---	430.106	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	17
18	---	---	430.105	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	18
19	---	---	430.103	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	19
20	---	---	430.098	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	20
21	---	---	430.093	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	21
22	---	---	430.091	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	22
23	---	---	430.086	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	23
24	---	---	430.082	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	24
25	---	---	430.080	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	25
26	---	---	430.072	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	26
27	---	---	430.066	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	27
28	---	---	430.064	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	28
29	---		430.060	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	29
30	---		430.054	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	30
31	---		430.048		DRY		DRY	DRY		DRY		---	31
MEAN	---	---	430.101	---	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MEAN
MAX	---	---	430.122	430.042	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MAX
MIN	---	---	430.048	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MINIMUM DAILY, DRY ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
1 170 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - WATERS EDGE 1.0 km OUT FROM GAUGE APR 11 TO OCT 31

MARSH RIVER NEAR OTTERBURNE - STATION NO. 05OE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.310B	1.02 B	0.010	3.03	0.405	0.004	0.154	0.030	---	---	1
2	---	---	0.300B	0.993B	0.045	1.90	0.353	0.011	0.145	0.019	---	---	2
3	---	---	0.290B	0.950B	0.085	1.23	0.290	0.018	0.126	0.018	---	---	3
4	---	---	0.280B	0.816B	0.071	0.941	0.261	0.021	0.120	0.028	---	---	4
5	---	---	0.270B	0.719	0.045	0.772	0.265	0.039	0.105	0.033	---	---	5
6	---	---	0.260B	0.675	0.034	0.432	0.241	0.049	0.105	0.040	---	---	6
7	---	---	0.250B	0.602	0.080	0.424	0.209	0.057	0.106	0.040	---	---	7
8	---	---	0.260B	0.438	0.110	0.391	0.178	0.072	0.109	0.034	---	---	8
9	---	---	0.275B	0.313	0.114	0.266	0.163	0.076	0.120	0.032	---	---	9
10	---	---	0.295B	0.223	0.092	0.209	0.157	0.077	0.116	0.027	---	---	10
11	---	---	0.320B	0.139	0.091	0.175	0.173	0.070	0.105	0.020	---	---	11
12	---	---	0.350B	0.122	0.068	0.130	0.163	0.065	0.092	0.043	---	---	12
13	---	---	0.385B	0.107	0.064	0.088	0.146	0.058	0.087	0.057	---	---	13
14	---	---	0.425B	0.045	0.062	0.054	0.134	0.047	0.096	0.111	---	---	14
15	---	---	0.470B	0.030	0.076	0.032	0.205	0.038	0.107	0.126	---	---	15
16	---	---	0.520B	0.128	0.076	0.185	0.242	0.026	0.107	0.108	---	---	16
17	---	---	0.575B	0.177	0.073	0.228	0.190	0.044	0.102	0.097	---	---	17
18	---	---	0.635B	0.155	0.072	0.307	0.158	0.185	0.096	0.082	---	---	18
19	---	---	0.700B	0.069	0.073	0.343	0.130	0.611	0.091	0.072	---	---	19
20	---	---	0.770B	0.006	0.074	0.413	0.112	0.326	0.087	0.064	---	---	20
21	---	---	0.845B	0.125	0.065	0.436	0.083	0.168	0.088	0.054	---	---	21
22	---	---	0.925B	0.822	0.094	0.459	0.060	0.103	0.087	0.045	---	---	22
23	---	---	1.01 B	0.495	0.310	0.458	0.046	0.102	0.089	0.037	---	---	23
24	---	---	1.10 B	0.231	0.609	0.452	0.036	0.111	0.078	0.030	---	---	24
25	---	---	1.21 B	0.113	1.60	0.457	0.025	0.111	0.058	0.023	---	---	25
26	---	---	1.33 B	0.049	1.38	0.446	0.015	0.403	0.051	0.021	---	---	26
27	---	---	1.38 B	0.020	0.941	0.461	0.005	0.534	0.041	0.016	---	---	27
28	---	---	1.38 B	0.018	0.542	0.509	0.003	0.348	0.034	0.016	---	---	28
29	---		1.27 B	0.003	0.348	0.499	0.001	0.242	0.029	0.012	---	---	29
30	---		1.20 B	0.002	1.00	0.449	0.003	0.187	0.027	0.012E	---	---	30
31	---		1.12 B		4.25		0.007	0.160		0.012E		---	31
TOTAL	---	---	20.710	9.605	12.554	16.176	4.459	4.363	2.758	1.359	---	---	TOTAL
MEAN	---	---	0.668	0.320	0.405	0.539	0.144	0.141	0.092	0.044	---	---	MEAN
MAX	---	---	1.38	1.02	4.25	3.03	0.405	0.611	0.154	0.126	---	---	MAX
MIN	---	---	0.250	0.002	0.010	0.032	0.001	0.004	0.027	0.012	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.294
MAXIMUM DAILY, 4.25 ON MAY 31
MINIMUM DAILY, 0.001 ON JUL 29
MAXIMUM INSTANTANEOUS,
4.46 AT 08:55 CST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 20 W
DRAINAGE AREA, 445 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	385
FEB	---	AUG	377
MAR	1 790	SEP	238
APR	830	OCT	117
MAY	1 080	NOV	---
JUN	1 400	DEC	---

TOTAL DISCHARGE, 6 220 dam³

MARY JANE CREEK AT LA RIVIERE - STATION NO. 05OB013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.074	0.019	0.024	---	---	---	---	---	---	1
2	---	---	0 B	0.069	0.022	0.022	---	---	---	---	---	---	2
3	---	---	0 B	0.064	0.021	0.020	---	---	---	---	---	---	3
4	---	---	0 B	0.053	0.019	0.017	---	---	---	---	---	---	4
5	---	---	0 B	0.045	0.019	0.013	---	---	---	---	---	---	5
6	---	---	0 B	0.036	0.019	0.010	---	---	---	---	---	---	6
7	---	---	0 B	0.031	0.020	0.010	---	---	---	---	---	---	7
8	---	---	0.001B	0.026	0.020	0.009	---	---	---	---	---	---	8
9	---	---	0.001B	0.025	0.018	0.009	---	---	---	---	---	---	9
10	---	---	0.001B	0.023	0.019	0.009	---	---	---	---	---	---	10
11	---	---	0.039B	0.018	0.019	0.007	---	---	---	---	---	---	11
12	---	---	0.077B	0.018	0.018	0.006	---	---	---	---	---	---	12
13	---	---	0.115B	0.014	0.018	0.007	---	---	---	---	---	---	13
14	---	---	0.154B	0.013	0.019	0.006	---	---	---	---	---	---	14
15	---	---	0.192B	0.015	0.019	0.006	---	---	---	---	---	---	15
16	---	---	0.231B	0.016	0.018	0.005	---	---	---	---	---	---	16
17	---	---	0.205B	0.012	0.017	0.006	---	---	---	---	---	---	17
18	---	---	0.158B	0.012	0.017	0.005	---	---	---	---	---	---	18
19	---	---	0.125B	0.012	0.017	0.005	---	---	---	---	---	---	19
20	---	---	0.098B	0.013	0.018	0.004	---	---	---	---	---	---	20
21	---	---	0.095B	0.018	0.018	0.006	---	---	---	---	---	---	21
22	---	---	0.094B	0.015	0.020	0.009	---	---	---	---	---	---	22
23	---	---	0.093B	0.013	0.022	0.011	---	---	---	---	---	---	23
24	---	---	0.105	0.013	0.031	0.012	---	---	---	---	---	---	24
25	---	---	0.141	0.013	0.030	0.009	---	---	---	---	---	---	25
26	---	---	0.143	0.013	0.028	0.008	---	---	---	---	---	---	26
27	---	---	0.139	0.013	0.029	0.008	---	---	---	---	---	---	27
28	---	---	0.162	0.013	0.030	0.008	---	---	---	---	---	---	28
29	---		0.131	0.016	0.029	0.007	---	---	---	---	---	---	29
30	---		0.109	0.019	0.026	0.006	---	---	---	---	---	---	30
31	---		0.090		0.025		---	---	---	---	---	---	31
TOTAL	---	---	2.699	0.735	0.664	0.284	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.087	0.025	0.021	0.009	---	---	---	---	---	---	MEAN
MAX	---	---	0.231	0.074	0.031	0.024	---	---	---	---	---	---	MAX
MIN	---	---	0	0.012	0.017	0.004	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.036
MAXIMUM DAILY, 0.231B ON MAR 16
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 14 21 N
LONG 98 40 28 W
DRAINAGE AREA, 135 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	233	SEP	---
APR	63.5	OCT	---
MAY	57.8	NOV	---
JUN	24.5	DEC	---

TOTAL DISCHARGE, 378 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05OB014

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	467.957	467.943	468.077	468.510	468.432	468.367	468.312	468.193	468.154	468.068	468.061	468.026	1
2	467.956	467.943	468.080	468.510	468.434	468.361	468.306	468.192	468.153	468.069	468.062	468.025	2
3	467.955	467.947	468.083	468.508	468.434	468.356	468.302	468.189	468.148	468.070	468.061	468.024	3
4	467.955	467.951	468.083	468.508	468.434	468.352	468.298	468.187	468.140	468.069	468.062	468.023	4
5	467.953	467.943	468.084	468.504	468.434	468.351	468.292	468.187	468.132	468.070	468.062	468.022	5
6	467.952	467.943	468.085	468.503	468.433	468.352	468.285	468.187	468.129	468.070	468.062	468.020	6
7	467.951	467.942	468.087	468.497	468.430	468.352	468.276	468.189	468.128	468.071	468.060	468.019	7
8	467.950	467.942	468.087	468.494	468.427	468.351	468.265	468.190	468.128	468.071	468.058	468.019	8
9	467.948	467.941	468.088	468.490	468.423	468.349	468.256	468.190	468.127	468.072	468.054	468.018	9
10	467.947	467.941	468.090	468.486	468.418	468.347	468.248	468.190	468.127	468.071	468.051	468.016	10
11	467.945	467.941	468.092	468.483	468.411	468.344	468.244	468.187	468.126	468.072	468.049	468.015	11
12	467.944	467.941	468.104	468.478	468.407	468.342	468.243	468.183	468.125	468.072	468.047	468.015	12
13	467.942	467.941	468.144	468.475	468.403	468.337	468.241	468.178	468.121	468.072	468.046	468.014	13
14	467.942	467.942	468.207	468.472	468.400	468.335	468.240	468.171	468.114	468.072	468.045	468.013	14
15	467.941	467.941	468.283	468.468	468.396	468.334	468.241	468.165	468.107	468.071	468.044	468.011	15
16	467.939	467.939	468.343	468.465	468.388	468.333	468.242	468.159	468.103	468.072	468.041	468.010	16
17	467.937	467.939	468.399	468.461	468.383	468.332	468.242	468.152	468.098	468.072	468.040	468.008	17
18	467.937	467.940	468.435	468.458	468.379	468.330	468.243	468.146	468.093	468.072	468.038	468.006	18
19	467.935	467.941	468.460	468.454	468.376	468.327	468.242	468.140	468.088	468.072	468.036	468.003	19
20	467.934	467.942	468.479	468.450	468.371	468.326	468.238	468.134	468.083	468.072	468.034	468.001	20
21	467.933	467.943	468.491	468.446	468.364	468.325	468.233	468.129	468.080	468.072	468.031	468.000	21
22	467.932	467.947	468.500	468.445	468.359	468.324	468.228	468.124	468.078	468.072	468.029	467.999	22
23	467.931	467.965	468.505	468.445	468.358	468.321	468.223	468.125	468.075	468.071	468.028	467.998	23
24	467.931	468.019	468.507	468.442	468.361	468.321	468.220	468.143	468.072	468.066	468.028	467.997	24
25	467.934	468.039	468.510	468.439	468.363	468.322	468.217	468.150	468.068	468.063	468.027	467.996	25
26	467.941	468.051	468.511	468.438	468.364	468.321	468.214	468.154	468.067	468.061	468.027	467.995	26
27	467.941	468.060	468.511	468.436	468.365	468.322	468.210	468.154	468.068	468.060	468.027	467.994	27
28	467.942	468.069	468.511	468.435	468.365	468.320	468.204	468.156	468.068	468.059	468.027	467.993	28
29	467.942		468.512	468.434	468.366	468.317	468.197	468.156	468.068	468.059	468.026	467.992	29
30	467.943		468.510	468.433	468.367	468.316	468.194	468.156	468.069	468.059	468.027	467.990	30
31	467.943		468.509		468.368		468.192	468.155		468.060		467.989	31
MEAN	467.943	467.962	468.302	468.469	468.394	468.336	468.245	468.165	468.105	468.068	468.043	468.008	MEAN
MAX	467.957	468.069	468.512	468.510	468.434	468.367	468.312	468.193	468.154	468.072	468.062	468.026	MAX
MIN	467.931	467.939	468.077	468.433	468.358	468.316	468.192	468.124	468.067	468.059	468.026	467.989	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 468.171
MAXIMUM DAILY, 468.512 ON MAR 29
MINIMUM DAILY, 467.931 ON JAN 23
MAXIMUM INSTANTANEOUS,
468.512 AT 18:25 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 27 W

REGULATED

DRAINAGE AREA,
81.6 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.607B	0.209	0.414E	0.188	0.042	0.127	0.051	---	---	1
2	---	---	0 B	0.538B	0.203	0.354E	0.169	0.048	0.095	0.040	---	---	2
3	---	---	0 B	0.490B	0.202	0.294E	0.164	0.065	0.059	0.029	---	---	3
4	---	---	0 B	0.425B	0.196	0.272	0.163	0.097	0.036	0.032	---	---	4
5	---	---	0 B	0.380B	0.186	0.302	0.135	0.107	0.032	0.033	---	---	5
6	---	---	0 B	0.338B	0.169	0.233	0.109	0.156A	0.040	0.031	---	---	6
7	---	---	0 B	0.290B	0.163	0.202	0.096	0.084	0.037	0.029	---	---	7
8	---	---	0 B	0.245B	0.155	0.184	0.130	0.104	0.032	0.039	---	---	8
9	---	---	0 B	0.215B	0.123	0.210	0.111	0.098	0.032A	0.052	---	---	9
10	---	---	0.041B	0.184B	0.121	0.273	0.089	0.089	0.051	0.051	---	---	10
11	---	---	0.082B	0.164B	0.115	0.241	0.081	0.082	0.058	0.049	---	---	11
12	---	---	0.147B	0.164B	0.118	0.212	0.078	0.067	0.026	0.072	---	---	12
13	---	---	0.152B	0.166B	0.121	0.167	0.061	0.059	0.020	0.124	---	---	13
14	---	---	0.156B	0.169B	0.125	0.401	0.061	0.050	0.021	0.081	---	---	14
15	---	---	0.161B	0.164B	0.123	1.35	0.097	0.043	0.023	0.077	---	---	15
16	---	---	0.093B	0.138B	0.119	1.36	0.163	0.037	0.026	0.099	---	---	16
17	---	---	0.086B	0.124B	0.106	0.818	0.165	0.035	0.023	0.139	---	---	17
18	---	---	0.080B	0.129B	0.103	1.25	0.137	0.035	0.020	0.159	---	---	18
19	---	---	0.078B	0.135B	0.099	0.796	0.124	0.039	0.016	0.124	---	---	19
20	---	---	0.076B	0.139B	0.096	0.633	0.129	0.039	0.017	0.115	---	---	20
21	---	---	0.073B	0.140B	0.093	0.877	0.101	0.038	0.020	0.094	---	---	21
22	---	---	0.070B	0.146B	0.445	0.845	0.075	0.037	0.024	0.084	---	---	22
23	---	---	0.069B	0.159B	1.04	0.969	0.068	0.033	0.021	0.064	---	---	23
24	---	---	0.068B	0.161B	1.01	0.883	0.070	0.032	0.016	0.067	---	---	24
25	---	---	0.152B	0.175	0.999	0.575	0.055	0.034	0.020	0.053	---	---	25
26	---	---	0.213B	0.220	0.746	0.441	0.047	0.033	0.180	0.062	---	---	26
27	---	---	0.332B	0.241	0.507	0.354E	0.042	0.030	0.091	0.080	---	---	27
28	---	---	0.474B	0.238	0.442	0.233E	0.036	0.028	0.051	0.074	---	---	28
29	---		0.637B	0.238	1.17	0.222E	0.030	0.[illegible]	0.047	0.097	---	---	29
30	---		0.645B	0.235	0.799E	0.208E	0.034	0.[illegible]	0.047	0.106	---	---	30
31	---		0.628B		0.494E		0.048	0.[illegible]		0.112		---	31
TOTAL	---	---	4.513	7.157	10.597	15.573	3.056	1.[illegible]	1.308	2.319	---	---	TOTA
MEAN	---	---	0.146	0.239	0.342	0.519	0.099	0.058	0.044	0.075	---	---	MEAN
MAX	---	---	0.645	0.607	1.17	1.36	0.188	0.156	0.180	0.159	---	---	MAX
MIN	---	---	0	0.124	0.093	0.167	0.030	0.024	0.016	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.189
MAXIMUM DAILY, 1.36 ON JUN 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.05 AT 20:30 CST ON JUN 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 99 28 46 W
DRAINAGE AREA, 78.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	264
FEB	---	AUG	156
MAR	390	SEP	113
APR	618	OCT	200
MAY	916	NOV	---
JUN	1 350	DEC	---

TOTAL DISCHARGE, 4 010 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. 05NG020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.232B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.227B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0.190B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.125B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.108B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.091B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.068B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.068B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.068B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.065B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.053B	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.045B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.043B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.034B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.023A	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.014A	0	0	0	0	0	0	0	---	---	16
17	---	0.005B	0.009A	0	0	0	0	0	0	0	---	---	17
18	---	0.010B	0.008A	0	0	0	0	0	0	0	---	---	18
19	---	0.030B	0.006A	0	0	0	0	0	0	0	---	---	19
20	---	0.050B	0.005	0	0	0	0	0	0	0	---	---	20
21	---	0.140B	0.004	0	0	0	0	0	0	0	---	---	21
22	---	0.283B	0.003	0	0	0	0	0	0	0	---	---	22
23	---	0.510B	0.002	0	0	0	0	0	0	0	---	---	23
24	---	0.354B	0.001	0	0	0	0	0	0	0	---	---	24
25	---	0.284B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.246B	0	0	0	0	0	0	0	0	---	---	26
27	---	0.147B	0	0	0	0	0	0	0	0	---	---	27
28	---	0.238B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	2.297	1.492	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.082	0.048	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.510	0.232	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.232B ON MAR 1
MINIMUM DAILY, 0 ON MAR 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA, 434 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	198	AUG	0
MAR	129	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 129 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MINK CREEK NEAR ETHELBERT - STATION NO. 05LJ019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.043B	0.140B	0.265	0.040	0.093	0.016	0.030	0.078	---	---	1
2	---	---	0.043B	0.120B	0.258	0.039	0.470	0.016	0.041	0.065	---	---	2
3	---	---	0.043B	0.114B	0.227	0.036	0.768	0.013	0.112	0.067	---	---	3
4	---	---	0.043B	0.110B	0.195	0.034	0.668	0.007	0.064	0.051	---	---	4
5	---	---	0.043B	0.130B	0.201	0.031	0.531	0.012	0.043	0.057	---	---	5
6	---	---	0.043B	0.135B	0.202	0.028	0.422	0.015	0.031	0.078	---	---	6
7	---	---	0.043B	0.140E	0.186	0.058	0.289	0.021	0.024	0.061	---	---	7
8	---	---	0.043B	0.142A	0.178	0.027	0.174	0.013	0.021	0.051	---	---	8
9	---	---	0.043B	0.144E	0.163	0.037	0.104	0.009	0.018	0.042	---	---	9
10	---	---	0.043B	0.140E	0.151	0.031	0.066	0.010	0.020	0.040	---	---	10
11	---	---	0.070B	0.130E	0.120	0.030	0.043	0.013	0.014	0.038	---	---	11
12	---	---	0.073B	0.120E	0.116	0.034	0.036	0.010	0.014	0.039	---	---	12
13	---	---	0.075B	0.110E	0.117	0.029	0.028	0.006	0.011	0.062	---	---	13
14	---	---	0.076B	0.102A	0.106	0.042	0.018	0.003	0.006	0.070	---	---	14
15	---	---	0.060B	0.104	0.089	0.197	0.021	0.002	0.005	0.107	---	---	15
16	---	---	0.050B	0.093	0.099	0.343	0.033	0	0.004	0.093	---	---	16
17	---	---	0.048B	0.165	0.094	0.396	0.033	0.001	0.004	0.081	---	---	17
18	---	---	0.047B	0.167	0.087	0.413	0.039	0.001	0.002	0.071	---	---	18
19	---	---	0.046B	0.188	0.086	0.397	0.038	0.002	0.001	0.068	---	---	19
20	---	---	0.045B	0.193	0.076	0.305	0.032	0.003	0.005	0.069	---	---	20
21	---	---	0.046B	0.191	0.067	0.253	0.028	0.003	0.031	0.065	---	---	21
22	---	---	0.048B	0.204	0.065	0.195	0.018	0.014	0.022	0.065	---	---	22
23	---	---	0.060B	0.297	0.076	0.177	0.016	0.036	0.016	0.064	---	---	23
24	---	---	0.120B	0.287	0.087	0.204	0.019	0.019	0.014	0.064	---	---	24
25	---	---	0.108B	0.243	0.134	0.181	0.021	0.112	0.011	0.065	---	---	25
26	---	---	0.100B	0.226	0.069	0.155	0.021	0.082	0.037	0.069	---	---	26
27	---	---	0.150B	0.266	0.054	0.121	0.052	0.042	0.069	0.072	---	---	27
28	---	---	0.160B	0.289	0.051	0.128	0.028	0.027	0.125	0.069	---	---	28
29	---		0.170B	0.258	0.054	0.178	0.018	0.018	0.098	0.075	---	---	29
30	---		0.180B	0.282	0.090	0.119	0.018	0.017	0.095	0.117	---	---	30
31	---		0.170B		0.055		0.019	0.032		0.127		---	31
TOTAL	---	---	2.332	5.230	3.818	4.258	4.164	0.575	0.988	2.150	---	---	TOTAL
MEAN	---	---	0.075	0.174	0.123	0.142	0.134	0.019	0.033	0.069	---	---	MEAN
MAX	---	---	0.180	0.297	0.265	0.413	0.768	0.112	0.125	0.127	---	---	MAX
MIN	---	---	0.043	0.093	0.051	0.027	0.016	0	0.001	0.038	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.096
MAXIMUM DAILY, 0.768 ON JUL 3
MINIMUM DAILY, 0 ON AUG 16
MAXIMUM INSTANTANEOUS,
0.991 AT 09:25 CST ON JUL 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 100 21 10 W
DRAINAGE AREA, 132 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	360
FEB	---	AUG	49.7
MAR	201	SEP	85.4
APR	452	OCT	186
MAY	330	NOV	---
JUN	368	DEC	---

TOTAL DISCHARGE, 2 030 dam³

MINK CREEK NEAR SIFTON - STATION NO. 05LJ048

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.115	0.023	0.043	0.182	0.004	0.004	0.002	---	---	1
2	---	---	0.005B	0.129	0.022	0.035	2.41	0.004	0.004	0.003	---	---	2
3	---	---	0.005B	0.121	0.020	0.023	1.72	0.003	0.003	0.003	---	---	3
4	---	---	0.005B	0.119	0.022	0.023	0.970	0.005	0.002	0.002	---	---	4
5	---	---	0.005B	0.104	0.022	0.028	0.543	0.009	0.002	0.002	---	---	5
6	---	---	0.005B	0.093	0.022	0.025	0.308	0.007	0.002	0.001	---	---	6
7	---	---	0.005B	0.079	0.026	0.023	0.198	0.005	0.001	0.001	---	---	7
8	---	---	0.005B	0.059	0.024	0.022	0.114	0.004	0.001	0.001	---	---	8
9	---	---	0.005B	0.043	0.023	0.022	0.070	0.004	0	0.001	---	---	9
10	---	---	0.005B	0.032	0.022	0.019	0.036	0.007	0	0.001	---	---	10
11	---	---	0.010B	0.023	0.020	0.016	0.022	0.007	0	0.001	---	---	11
12	---	---	0.025B	0.023	0.021	0.011	0.016	0.005	0	0.002	---	---	12
13	---	---	0.028B	0.025	0.022	0.010	0.011	0.004	0	0.002	---	---	13
14	---	---	0.030B	0.022	0.021	0.042	0.010	0.004	0	0.002	---	---	14
15	---	---	0.027B	0.018	0.019	0.224	0.012	0.003	0	0.002	---	---	15
16	---	---	0.025B	0.015	0.019	0.406	0.009	0.002	0	0.002	---	---	16
17	---	---	0.010B	0.018	0.018	0.733	0.009	0.002	0	0.002	---	---	17
18	---	---	0.010B	0.018	0.016	1.06	0.009	0.003	0	0.001	---	---	18
19	---	---	0.009B	0.020	0.012	0.781	0.010	0.005	0	0.001	---	---	19
20	---	---	0.009B	0.016	0.008	0.502	0.009	0.005	0	0.001	---	---	20
21	---	---	0.008B	0.015	0.007	0.355	0.008	0.004	0	0.001	---	---	21
22	---	---	0.008B	0.016	0.010	1.27	0.007	0.004	0	0.001	---	---	22
23	---	---	0.050B	0.015	0.019	1.62	0.007	0.003	0	0.001	---	---	23
24	---	---	0.200B	0.014	0.040	3.94	0.007	0.003	0	0.001	---	---	24
25	---	---	0.169B	0.017	0.044	2.31	0.006	0.005	0	0.001	---	---	25
26	---	---	0.160B	0.019	0.035	1.29	0.005	0.006	0.003	0.001	---	---	26
27	---	---	0.150B	0.020	0.026	0.647	0.004	0.005	0.002	0.002	---	---	27
28	---	---	0.180B	0.019	0.023	0.380	0.004	0.003	0	0.002	---	---	28
29	---		0.169	0.017	0.031	0.345	0.003	0.003	0	0.003	---	---	29
30	---		0.145	0.021	0.045	0.229	0.004	0.004	0.002	0.003	---	---	30
31	---		0.133		0.049		0.004	0.004		0.004		---	31
TOTAL	---	---	1.605	1.265	0.731	16.434	6.727	0.136	0.026	0.053	---	---	TOTAL
MEAN	---	---	0.052	0.042	0.024	0.548	0.217	0.004	0.001	0.002	---	---	MEAN
MAX	---	---	0.200	0.129	0.049	3.94	2.41	0.009	0.004	0.004	---	---	MAX
MIN	---	---	0.005	0.014	0.007	0.010	0.003	0.002	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.110
MAXIMUM DAILY, 3.94 ON JUN 24
MINIMUM DAILY, 0 ON SEP 9
MAXIMUM INSTANTANEOUS,
4.51 AT 07:30 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 55 N
LONG 100 01 00 W
DRAINAGE AREA, 269 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	581
FEB	---	AUG	11.8
MAR	139	SEP	2.25
APR	109	OCT	4.58
MAY	63.2	NOV	---
JUN	1 420	DEC	---

TOTAL DISCHARGE, 2 330 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05ME008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0B	0	0	0	---	---	---	---	---	---	1
2	---	0 B	0B	0	0	0	---	---	---	---	---	---	2
3	---	0 B	0B	0	0	0	---	---	---	---	---	---	3
4	---	0 B	0B	0	0	0	---	---	---	---	---	---	4
5	---	0 B	0B	0	0	0	---	---	---	---	---	---	5
6	---	0 B	0B	0	0	0	---	---	---	---	---	---	6
7	---	0 B	0B	0	0	0	---	---	---	---	---	---	7
8	---	0 B	0B	0	0	0	---	---	---	---	---	---	8
9	---	0 B	0B	0	0	0	---	---	---	---	---	---	9
10	---	0 B	0B	0	0	0	---	---	---	---	---	---	10
11	---	0 B	0B	0	0	0	---	---	---	---	---	---	11
12	---	0 B	0B	0	0	0	---	---	---	---	---	---	12
13	---	0 B	0B	0	0	0	---	---	---	---	---	---	13
14	---	0 B	0B	0	0	0	---	---	---	---	---	---	14
15	---	0 B	0B	0	0	0	---	---	---	---	---	---	15
16	---	0 B	0B	0	0	0	---	---	---	---	---	---	16
17	---	0.020B	0B	0	0	0	---	---	---	---	---	---	17
18	---	0.721B	0B	0	0	0	---	---	---	---	---	---	18
19	---	0.022B	0	0	0	0	---	---	---	---	---	---	19
20	---	0.023B	0	0	0	0	---	---	---	---	---	---	20
21	---	0.024B	0	0	0	0	---	---	---	---	---	---	21
22	---	0.025B	0	0	0	0	---	---	---	---	---	---	22
23	---	0.025B	0	0	0	0	---	---	---	---	---	---	23
24	---	0.010B	0	0	0	0	---	---	---	---	---	---	24
25	---	0.008B	0	0	0	0	---	---	---	---	---	---	25
26	---	0.006B	0	0	0	0	---	---	---	---	---	---	26
27	---	0.004B	0	0	0	0	---	---	---	---	---	---	27
28	---	0.002B	0	0	0	0	---	---	---	---	---	---	28
29	---		0	0	0	0	---	---	---	---	---	---	29
30	---		0	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---		---	31
TOTAL	---	0.190	0	0	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	0.007	0	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	0.025	0	0	0	0	---	---	---	---	---	---	MAX
MIN	---	0	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0B ON MAR 1
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 09 N
LONG 101 01 14 W
DRAINAGE AREA, 360 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	16.4	AUG	---
MAR	0	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

MORRIS RIVER NEAR ROSENORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	1.82 A	0.204A	0.156	0.870	0.184E	0.004A	0.124	---	---	1
2	---	---	0.217B	1.84 A	0.174A	0.123	0.677	0.184E	0 A	0.119	---	---	2
3	---	---	0.192B	1.78 A	0.156A	0.092	0.550	0.182E	0 A	0.112	---	---	3
4	---	---	0.184B	1.28 A	0.134A	0.079	0.398	0.180E	0.004A	0.105	---	---	4
5	---	---	0.180B	1.23 A	0.222A	0.122	0.311	0.770E	0.007A	0.104	---	---	5
6	---	---	0.179B	0.848A	0.189A	0.092	0.262	1.64 E	0.013A	0.101	---	---	6
7	---	---	0.177B	0.848A	0.192A	0.070	0.215	0.939A	0.024A	0.099	---	---	7
8	---	---	0.179B	0.783A	0.200A	0.066	0.170	0.730	0.084A	0.098	---	---	8
9	---	---	0.180B	0.693A	0.177A	0.058	0.135	0.621	0.076	0.098	---	---	9
10	---	---	0.217B	0.546A	0.149A	0.088	0.114	0.496	0.063	0.096	---	---	10
11	---	---	0.326B	0.652A	0.146A	0.101	0.310	0.538	0.061	0.096	---	---	11
12	---	---	0.429B	0.554A	0.112A	0.066	0.307	0.529	0.060	0.097	---	---	12
13	---	---	0.791B	0.439A	0.093A	0.030	0.209	0.445	0.770	0.097	---	---	13
14	---	---	1.04 B	0.374A	0.110A	0.025	0.391	0.399	2.62	0.582	---	---	14
15	---	---	2.25 B	0.520A	0.124	0.024	0.442	0.349	2.75	0.554	---	---	15
16	---	---	1.17 B	0.504A	0.121	0.014	0.406	0.290	2.75	0.422	---	---	16
17	---	---	2.59 B	0.410A	0.084	0.029	0.395	0.238	2.78	0.310	---	---	17
18	---	---	2.61 B	0.266A	0.056	0.081	0.377	0.200E	2.76	0.217	---	---	18
19	---	---	2.41 B	0.439A	0.036	0.042	0.366	0.167E	2.55	0.167	---	---	19
20	---	---	1.94 B	0.396A	0.026	0.035	1.69	0.146E	2.41	0.139	---	---	20
21	---	---	1.51 B	0.424A	0.019	0.027	2.07	0.126E	1.99	0.126	---	---	21
22	---	---	1.69 B	0.432A	0.143	0.103	1.32	0.098E	0.970	0.123	---	---	22
23	---	---	1.86 B	0.520A	1.12	0.199	1.01	0.086E	0.454	0.120	---	---	23
24	---	---	1.88 B	0.403A	1.64	0.281	0.760	0.074E	0.218	0.117	---	---	24
25	---	---	2.87 B	0.314A	0.925	0.373	0.511	0.062E	0.184	0.115	---	---	25
26	---	0.386B	3.12 B	0.225A	0.353	0.186	0.332	0.050E	0.160	0.112	---	---	26
27	---	---	3.33 B	0.160A	0.192	2.43	0.231	0.038E	0.146	0.109	---	---	27
28	---	---	3.70 B	0.149A	0.126	2.48	0.217E	0.033E	0.133	0.106	---	---	28
29	---		3.43 B	0.276A	0.318	1.44	0.200E	0.031E	0.128	0.128	---	---	29
30	---		2.36 B	0.245A	0.307	1.16	0.192E	0.086E	0.126	0.139	---	---	30
31	---		2.09 B		0.220		0.187E	0.146E		0.137		---	31
TOTAL	---	---	45.351	19.370	8.068	10.072	15.625	10.057	24.295	5.069	---	---	TOTAL
MEAN	---	---	1.46	0.646	0.260	0.336	0.504	0.324	0.810	0.164	---	---	MEAN
MAX	---	---	3.70	1.84	1.64	2.48	2.07	1.64	2.78	0.582	---	---	MAX
MIN	---	---	0.177	0.149	0.019	0.014	0.114	0.031	0	0.096	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.563
MAXIMUM DAILY, 3.70B ON MAR 28
MINIMUM DAILY, 0A ON SEP 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 97 28 51 W
DRAINAGE AREA, 2 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 350
FEB	---	AUG	869
MAR	3 920	SEP	2 100
APR	1 670	OCT	438
MAY	697	NOV	---
JUN	870	DEC	---

TOTAL DISCHARGE, 11 900 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO. 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.65B	7.56B	6.68 B	0.912	0.166	0.154	0.472	0.071	0.255	0.148	0.113E	3.01	1
2	7.65B	7.56B	6.59 B	0.915	0.158	0.169	0.398	0.103	1.24	0.999	0.110E	3.07	2
3	7.65B	7.56B	6.11 B	0.942	0.138	0.165	0.249	0.145	0.172	0.236	0.106E	2.98	3
4	7.65B	7.56B	4.98	0.976	0.118	0.149	0.183	0.224	0.138	0.130	0.103A	3.05	4
5	7.65B	7.56B	3.59	1.01	0.096	0.116	0.153	0.318	0.173	0.126	0.088	2.98	5
6	7.65B	7.49B	3.63	1.07	0.093	0.148	0.192	0.240	0.105	0.136A	0.095	2.92	6
7	7.65B	7.49B	3.62	1.18	0.092	0.129	0.181	0.197	0.097	0.162A	0.091	2.89	7
8	7.65B	7.46B	3.60	1.14	0.056	0.152	0.159	0.170	0.119	0.157	0.105	2.88	8
9	7.65B	7.46B	3.61	1.03	0.072	0.163	0.158	0.160	0.140	0.150	0.133	2.93	9
10	7.65B	7.43B	3.64	1.01	0.118	0.147	0.178	0.175	0.163	0.146	0.130	6.24	10
11	7.64B	7.43B	3.63	1.14	0.100	0.154	0.182	0.161	0.166	0.139	0.124	7.24	11
12	7.64B	7.40B	2.28	1.26	0.103	0.159	0.171	0.157	0.159	0.171	0.124	3.04	12
13	7.64B	7.34B	0.728	1.18	0.095	0.182	0.182	0.154	0.136	0.141	0.119	2.99	13
14	7.64B	7.28B	0.710	1.35	0.104	0.230	0.157	0.140	0.136	0.129A	0.120	2.90	14
15	7.64B	7.18B	0.666	1.42	0.112	0.259	0.224	0.146	0.135	0.123E	0.121	2.87	15
16	7.64B	7.12B	0.651	1.39	0.112	0.218	0.213	0.167	0.144	0.116E	0.111	2.86	16
17	7.64B	7.23	0.622	0.982	0.121	0.243	0.189	0.196	0.138	0.042E	0.104	6.81	17
18	7.63B	7.09	0.664	1.46	0.139	0.269	0.195	0.231	0.137	0.081E	0.108	10.8	18
19	7.63B	7.28	0.732	1.56	0.127	0.330	0.209	0.233	0.145	0.087E	0.094	10.4	19
20	7.63B	7.26	0.733	1.84	0.131	0.250	0.134	0.204	0.189	0.094E	0.100	10.2	20
21	7.63B	7.40	0.706	1.49	0.122	0.206	0.153	0.241	0.198	0.094E	0.105	9.58	21
22	7.63B	7.45	0.706	0.861	0.126	0.199	0.172	0.268	0.192	0.074E	0.109	9.25	22
23	7.63B	7.36	0.702	1.46	0.115	0.262	0.193	0.245	0.166	0.103E	0.105	9.07B	23
24	7.62B	7.15	0.690	1.75	0.117	0.647	0.133	0.246	0.151	0.094E	1.33	8.97B	24
25	7.62B	7.35	0.669	1.97	0.154	0.460	0.119	0.253	0.158	0.126E	3.13	8.87B	25
26	7.62B	7.26	0.807	1.53	0.158	0.290	0.115	0.219	0.147	0.123E	3.05	8.78B	26
27	7.62B	7.03	0.823	0.836	0.145	0.226	0.111	0.203	0.099	0.123E	3.09	8.68B	27
28	7.62B	6.97B	0.901	0.205	0.132	0.193	0.103	0.210	0.175	0.119E	3.15	8.62B	28
29	7.62B		0.884	0.156	0.134	0.190	0.105	0.203	0.170	0.119E	3.23	8.56B	29
30	7.59B		0.847	0.140	0.155	0.668	0.177	0.201	0.165	0.116E	3.06	8.46B	30
31	7.59B		0.855		0.169		0.092	0.208		0.116E		8.37B	31
TOTAL	236.66	205.71	66.056	34.165	3.778	7.127	5.652	6.089	5.708	4.720	22.558	190.27	TOTAL
MEAN	7.63	7.35	2.13	1.14	0.122	0.238	0.182	0.196	0.190	0.152	0.752	6.14	MEAN
MAX	7.65	7.56	6.68	1.97	0.169	0.668	0.472	0.318	1.24	0.999	3.23	10.8	MAX
MIN	7.59	6.97	0.622	0.140	0.056	0.116	0.092	0.071	0.097	0.042	0.088	2.86	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.16
MAXIMUM DAILY, 10.8 ON DEC 18
MINIMUM DAILY, 0.042E ON OCT 17
MAXIMUM INSTANTANEOUS,
11.2 AT 21:55 CST ON DEC 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 99 58 00 W
DRAINAGE AREA, 8 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 400	JUL	488
FEB	17 800	AUG	526
MAR	5 710	SEP	493
APR	2 950	OCT	408
MAY	326	NOV	1 950
JUN	616	DEC	16 400

TOTAL DISCHARGE, 68 100 dam³

MOWBRAY CREEK NEAR MOWBRAY - STATION NO. 05OB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.099B	0.318	0.040	0.050	0.019E	0	0.025	0.011	---	---	1
2	---	0 B	0.090B	0.285	0.036	0.056	0.018E	0	0.018	0.016	---	---	2
3	---	0 B	0.086B	0.247	0.030	0.050	0.015E	0	0.015	0.016	---	---	3
4	---	0 B	0.083B	0.231	0.031	0.054	0.012E	0.032	0.012	0.017	---	---	4
5	---	0 B	0.082B	0.210	0.029	0.058	0.011E	0.150	0.010	0.017	---	---	5
6	---	0 B	0.082B	0.214	0.025	0.045	0.008E	0.165	0.015	0.016	---	---	6
7	---	0 B	0.083B	0.168	0.025	0.043	0.005E	0.065	0.017	0.014	---	---	7
8	---	0 B	0.084B	0.146	0.025	0.040	0 A	0.031	0.015	0.012	---	---	8
9	---	0 B	0.090B	0.143	0.023	0.039	0	0.022	0.013	0.011	---	---	9
10	---	0 B	0.098B	0.135	0.026	0.041	0	0.022	0.011	0.009	---	---	10
11	---	0 B	0.118B	0.120	0.021	0.034	0	0.015	0.008	0.008	---	---	11
12	---	0 B	0.145B	0.121	0.016	0.025	0	0.007	0.006	0.014	---	---	12
13	---	0 B	0.198B	0.111	0.016	0.027	0	0.002	0.003	0.015	---	---	13
14	---	0 B	0.264B	0.103	0.017	0.032	0.009	0	0	0.011	---	---	14
15	---	0 B	0.382B	0.098	0.015	0.030	0.054	0	0	0.010	---	---	15
16	---	0.015B	0.504B	0.092	0.013	0.026	0.158	0	0	0.009	---	---	16
17	---	0.041B	0.631B	0.080	0.014	0.020	0.026	0	0	0.009	---	---	17
18	---	0.212B	0.694B	0.074	0.014	0.014	0.012	0	0	0.007	---	---	18
19	---	0.410B	0.723B	0.070	0.012	0.014	0.008	0	0	0.006	---	---	19
20	---	0.523B	0.733B	0.069	0.011	0.013	0.005	0	0	0.005	---	---	20
21	---	0.623B	0.704B	0.068	0.009	0.011	0.004	0	0	0.001	---	---	21
22	---	0.640B	0.665B	0.067	0.585	0.019	0.002	0	0	0.001	---	---	22
23	---	0.602B	0.640B	0.059	0.396	0.025	0	0.046	0	0	---	---	23
24	---	0.488B	0.601B	0.054	0.084	0.026A	0	0.062	0	0	---	---	24
25	---	0.382B	0.580B	0.050	0.060	0.027E	0	0.037	0	0	---	---	25
26	---	0.264B	0.542E	0.048	0.038	0.026E	0	0.030	0	0	---	---	26
27	---	0.184B	0.519E	0.044	0.027	0.025E	0	0.034	0	0.004	---	---	27
28	---	0.134B	0.497E	0.044	0.038	0.024E	0	0.027	0	0.007	---	---	28
29	---		0.464E	0.040	0.044	0.022E	0	0.020	0	0.008	---	---	29
30	---		0.432E	0.042	0.048	0.021E	0	0.017	0	0.011	---	---	30
31	---		0.390A		0.050		0	0.019		0.013		---	31
TOTAL	---	4.518	11.303	3.551	1.818	0.937	0.366	0.803	0.168	0.278	---	---	TOTAL
MEAN	---	0.161	0.365	0.118	0.059	0.031	0.012	0.026	0.006	0.009	---	---	MEAN
MAX	---	0.640	0.733	0.318	0.585	0.058	0.158	0.165	0.025	0.017	---	---	MAX
MIN	---	0	0.082	0.040	0.009	0.011	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 0.733B ON MAR 20
MINIMUM DAILY, 0A ON JUL 8
MAXIMUM INSTANTANEOUS,
3.57 AT 20:22 CST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 98 27 15 W
DRAINAGE AREA, 262 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	31.6
FEB	390	AUG	69.4
MAR	977	SEP	14.5
APR	307	OCT	24.0
MAY	157	NOV	---
JUN	81.0	DEC	---

TOTAL DISCHARGE, 1 660 dam³

NEEPAWA CREEK NEAR NEEPAWA - STATION NO. 05LL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.645B	1.02 B	0.117	0.126	0.019	0.014	0.503	0.101	---	---	1
2	---	0 B	0.634B	0.721B	0.123	0.116	0.010	0.008	0.285	0.086	---	---	2
3	---	0 B	0.630B	0.706B	0.098	0.060	0.007	0.010	0.152	0.079	---	---	3
4	---	0 B	0.630B	0.754B	0.088	0.036	0.002	0.053	0.089	0.081	---	---	4
5	---	0 B	0.630B	0.765B	0.126	0.122	0.001	0.040	0.063	0.088	---	---	5
6	---	0 B	0.634B	0.772B	0.092	0.116	0	0.042	0.069	0.074	---	---	6
7	---	0 B	0.638B	0.776B	0.081	0.073	0	0.031	0.062	0.065	---	---	7
8	---	0 B	0.642B	0.772B	0.073A	0.030	0	0.012	0.042	0.062	---	---	8
9	---	0 B	0.667B	0.701B	0.069E	0.019	0	0.007	0.025	0.063	---	---	9
10	---	0 B	0.675B	0.634B	0.064E	0.048	0	0.006	0.013	0.059	---	---	10
11	---	0 B	0.682B	0.605B	0.063E	0.068	0	0.025	0.008	0.059	---	---	11
12	---	0 B	0.686B	0.545B	0.060E	0.016	0	0.009	0.005	0.104	---	---	12
13	---	0 B	0.690B	0.501B	0.057E	0.009	0	0.003	0.003	0.195	---	---	13
14	---	0 B	0.690B	0.481B	0.055E	0.018	0	0.001	0.003	0.170	---	---	14
15	---	0.012B	0.690B	0.474B	0.055E	0.040	0	0	0.002	0.131	---	---	15
16	---	0.075B	0.690B	0.467E	0.054E	0.047	0.015	0	0.002	0.111	---	---	16
17	---	0.167B	0.616B	0.449E	0.054E	0.037	0.014	0	0.002	0.102	---	---	17
18	---	0.272B	0.533B	0.412E	0.055E	0.086	0.002	0	0	0.093	---	---	18
19	---	0.403B	0.517B	0.365E	0.058A	0.074	0.001	0	0	0.087	---	---	19
20	---	0.517B	0.514B	0.315E	0.066	0.043	0.001	0	0	0.084	---	---	20
21	---	0.679B	0.507B	0.259E	0.057	0.014	0	0	0	0.077	---	---	21
22	---	0.864B	0.494B	0.217E	0.095	0.058	0	0	0.002	0.071	---	---	22
23	---	1.09 B	0.487B	0.184E	0.125	0.103	0	0	0.007	0.059	---	---	23
24	---	1.16 B	0.570B	0.143E	0.137	0.220	0	0	0.006	0.051	---	---	24
25	---	1.04 B	0.623B	0.123E	0.148	0.225	0	0	0.011	0.055	---	---	25
26	---	0.842B	0.671B	0.106E	0.113	0.268	0	0.004	0.154	0.076	---	---	26
27	---	0.761B	0.776B	0.104E	0.075	0.252	0	0.004	0.148	0.090	---	---	27
28	---	0.724B	0.864B	0.106E	0.044	0.188	0	0.001	0.107	0.089	---	---	28
29	---		0.933B	0.108A	0.164	0.147	0.001	0	0.097	0.092	---	---	29
30	---		1.03 B	0.114	0.232	0.067	0.001	0.001	0.098	0.097	---	---	30
31	---		1.13 B		0.168		0.007	1.22		0.117		---	31
TOTAL	---	8.606	20.818	13.699	2.866	2.726	0.081	1.491	1.958	2.768	---	---	TOTAL
MEAN	---	0.307	0.672	0.457	0.092	0.091	0.003	0.048	0.065	0.089	---	---	MEAN
MAX	---	1.16	1.13	1.02	0.232	0.268	0.019	1.22	0.503	0.195	---	---	MAX
MIN	---	0	0.487	0.104	0.044	0.009	0	0	0	0.051	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.189
MAXIMUM DAILY, 1.22 ON AUG 31
MINIMUM DAILY, 0 ON JUL 6
MAXIMUM INSTANTANEOUS,
3.17 AT 03:08 CST ON AUG 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 58 N
LONG 99 34 00 W
DRAINAGE AREA, 165 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.00
FEB	744	AUG	129
MAR	1 800	SEP	169
APR	1 180	OCT	239
MAY	248	NOV	---
JUN	236	DEC	---

TOTAL DISCHARGE, 4 010 dam³

NEEPAWA RESERVOIR NEAR NEEPAWA - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	359.038	359.025	359.082	359.098	359.066	359.079	359.036	358.797	358.952	359.044	359.079	359.048	1
2	359.036	359.025	359.076	359.097	359.068	359.069	359.026	358.790	358.958	359.048	359.078	359.048	2
3	359.036	359.024	359.073	359.097	359.066	359.064	359.022	358.789	358.963	359.051	359.079	359.049	3
4	359.037	359.025	359.072	359.095	359.065	359.058	359.014	358.788	358.968	359.054	359.078	359.047	4
5	359.037	359.024	359.075	359.091	359.065	359.050	359.005	358.795	358.973	359.056	359.076	359.044	5
6	359.036	359.024	359.078	359.083	359.063	359.049	358.997	358.818	358.976	359.059	359.077	359.042	6
7	359.035	359.033	359.078	359.073	359.059	359.046	358.983	358.834	358.981	359.062	359.073	359.040	7
8	359.034	359.034	359.078	359.070	359.056	359.043	358.968	358.853	358.984	359.062	359.064	359.040	8
9	359.034	359.034	359.078	359.068	359.057	359.045	358.958	358.867	358.985	359.058	359.064	359.040	9
10	359.033	359.033	359.078	359.064	359.054	359.046	358.950	358.879	358.988	359.056	359.063	359.039	10
11	359.030	359.033	359.078	359.062	359.049	359.045	358.937	358.888	358.990	359.060	359.062	359.038	11
12	359.025	359.032	359.078	359.062	359.047	359.014	358.929	358.893	358.993	359.065	359.062	359.038	12
13	359.025	359.031	359.079	359.060	359.046	359.042	358.917	358.897	358.996	359.069	359.060	359.036	13
14	359.025	359.032	359.080	359.059	359.044	359.042	358.904	358.900	358.998	359.069	359.059	359.031	14
15	359.025	359.032	359.082	359.058	359.038	359.044	358.897	358.902	359.000	359.071	359.059	359.028	15
16	359.024	359.032	359.083	359.055	359.038	359.046	358.890	358.901	359.003	359.073	359.058	359.023	16
17	359.022	359.034	359.086	359.051	359.041	359.046	358.886	358.896	359.006	359.071	359.058	359.019	17
18	359.021	359.042	359.086	359.052	359.043	359.045	358.878	358.908	359.009	359.068	359.059	359.013	18
19	359.019	359.054	359.086	359.053	359.043	359.047	358.867	358.912	359.012	359.069	359.057	359.008	19
20	359.019	359.063	359.085	359.056	359.039	359.048	358.855	358.916	359.014	359.068	359.057	359.000	20
21	359.018	359.070	359.083	359.051	359.035	359.048	358.845	358.918	359.016	359.064	359.057	358.995	21
22	359.018	359.077	359.082	359.050	359.032	359.053	358.836	358.921	359.018	359.061	359.055	358.992	22
23	359.018	359.091	359.081	359.050	359.039	359.056	358.824	358.921	359.019	359.062	359.054	358.988	23
24	359.018	359.098	359.079	359.055	359.050	359.055	358.818	358.925	359.021	359.061	359.054	358.985	24
25	359.021	359.097	359.081	359.057	359.061	359.052	358.815	358.928	359.024	359.061	359.054	358.982	25
26	359.023	359.097	359.082	359.059	359.067	359.051	358.815	358.932	359.026	359.062	359.053	358.980	26
27	359.023	359.095	359.081	359.059	359.069	359.048	358.815	358.935	359.029	359.061	359.053	358.978	27
28	359.022	359.087	359.085	359.061	359.065	359.043	358.814	358.939	359.032	359.062	359.052	358.975	28
29	359.022		359.090	359.059	359.083	359.042	358.805	358.943	359.035	359.066	359.051	358.972	29
30	359.022		359.094	359.060	359.092	359.041	358.798	358.943	359.039	359.072	359.049	358.968	30
31	359.023		359.097		359.091		358.798	358.945		359.077		358.963	31
MEAN	359.026	359.049	359.081	359.066	359.056	359.050	358.900	358.886	359.000	359.063	359.062	359.014	MEAN
MAX	359.038	359.098	359.097	359.098	359.092	359.079	359.036	358.945	359.039	359.077	359.079	359.049	MAX
MIN	359.018	359.024	359.072	359.050	359.032	359.041	358.798	358.788	358.952	359.044	359.049	358.963	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 359.021
MAXIMUM DAILY, 359.098 ON FEB 24
MINIMUM DAILY, 358.788 ON AUG 4
MAXIMUM INSTANTANEOUS,
359.099 AT 16:04 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 48 N
LONG 99 26 38 W

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO. 05UB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	182B	174B	171B	226B	320	338	470	385	401	350	285	182	1
2	181B	174B	171B	226B	329	347	482	412	457	437	277	161	2
3	180B	174B	171B	226B	321	357	435	426	439	476	275	162	3
4	179B	174B	171B	227B	318	374	441	436	416	396	263	157	4
5	179B	174B	171B	227B	325	369	429	435	462	342	259E	152	5
6	178B	174B	171B	227B	334	333	408	421	419	339	262	149	6
7	178B	174B	171B	227B	336	325	431	426	395	353	274	149B	7
8	178B	174B	170B	227B	300	336	453	435	383	350	191	149B	8
9	177B	174B	170B	227B	308	334	476	422	410	360	201	150B	9
10	177B	173B	170B	228B	331	338	437	415	416	402	218	150B	10
11	177B	173B	170B	228B	335	331	426	433	404	387	251	150B	11
12	176B	173B	170B	228B	335	347	426	399	405	403	293	150B	12
13	176B	173B	170B	228B	339	331	416	439	380	423	297	150B	13
14	176B	173B	170B	228B	311	275	401	404	363	371	272	150B	14
15	176B	172B	171B	229B	239	269	408	407	344	349	264	150B	15
16	176B	172B	172B	229B	283	317	415	459	360	380	250	150B	16
17	176B	172B	175B	229B	317	324	419	451	416	310	217	150B	17
18	176B	172B	177B	230B	335	279	433	436	397	228	220	151B	18
19	175B	172B	180B	230B	349	313	416	448	363	259	228	151B	19
20	175B	172B	185B	230B	355	337	395	439	369	258	238	151B	20
21	175B	172B	189B	234B	354	348	409	448	396	259	269	151B	21
22	175B	171B	195B	238B	262	372	427	460	429	255	260	151B	22
23	175B	171B	200B	242B	223	386	456	421	499	252	231	151B	23
24	175B	171B	204B	247B	258	396	417	425	418	277	206	151B	24
25	175B	171B	210B	253B	287	381	372	427	398	234	202	151B	25
26	175B	171B	218B	259B	325	384	378	425	305	288	207	151B	26
27	175B	171B	220B	269B	348	417	407	431	244	278	198	151B	27
28	175B	171B	222B	283B	339	394	447	453	266	306	188	151B	28
29	175B		223B	295B	307	397	452	482	306	316	186	151B	29
30	174B		224B	308B	307	433	378	408	334	299	193	151B	30
31	174B		226B		322		379	419		282		151B	31
TOTAL	5 471	4 832	5 778	7 185	9 752	10 482	13 139	13 327	11 594	10 219	7 175	4 725	TOTAL
MEAN	176	173	186	240	315	349	424	430	386	330	239	152	MEAN
MAX	182	174	226	308	355	433	482	482	499	476	297	182	MAX
MIN	174	171	170	226	223	269	372	385	244	228	186	149	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 284
MAXIMUM DAILY, 499 ON SEP 23
MINIMUM DAILY, 149 ON DEC 6
MAXIMUM INSTANTANEOUS,
520 AT 14:10 CST ON SEP 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 39 N
LONG 97 35 27 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	473 000	JUL 1	140 000
FEB	417 000	AUG 1	150 000
MAR	499 000	SEP 1	000 000
APR	621 000	OCT	883 000
MAY	843 000	NOV	620 000
JUN	906 000	DEC	408 000

TOTAL DISCHARGE, 8 960 000 dam³

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 990	1 800	1 640	566	569	398	643	666	644	1 350	2 270	2 110	1
2	2 010	1 800	1 640	570	574	391	647	654	652	1 330	2 280	2 080	2
3	2 020	1 780	1 640	568	578	392	662	644	656	1 340	2 270	2 070	3
4	2 000	1 770	1 630	568	575	392	669	663	1 060	1 370	2 280	1 920	4
5	1 980	1 760	1 630	568	572	394	674	664	1 080	1 740	2 280	1 810	5
6	1 960	1 740	1 610	571	570	394	678	657	1 070	1 780	2 270	1 670	6
7	1 980	1 740	1 570	570	575	379	682	640	1 080	1 780	2 270	1 450	7
8	1 950	1 770	1 530	569	575	391	639	653	1 080	1 760	2 240	1 660	8
9	1 950	1 760	1 480	569	570	394	651	651	1 080	1 790	2 230	1 760	9
10	1 940	1 740	1 420	571	577	395	672	650	1 070	1 790	2 040	1 850	10
11	1 950	1 710	1 370	573	577	395	670	636	1 080	1 790	2 130	1 840	11
12	1 960	1 730	1 320	570	576	391	667	648	1 080	1 790	2 160	1 810	12
13	1 960	1 730	1 280	567	420	405	668	643	1 090	1 780	2 100	1 770	13
14	1 960	1 740	1 200	568	421	404	666	652	1 090	1 790	2 180	1 730	14
15	1 970	1 740	1 150	571	424	411	646	652	1 100	1 790	2 260	1 770	15
16	1 960	1 730	1 080	570	423	410	657	651	1 110	1 760	2 250	1 820	16
17	1 910	1 720	1 030	570	406	408	654	658	1 070	1 780	2 230	1 830	17
18	1 970	1 700	972	570	398	414	646	659	1 080	1 780	2 200	1 830	18
19	1 960	1 700	908	572	399	458	666	658	1 080	2 270	2 120	1 810	19
20	1 920	1 640	860	566	402	641	663	656	1 080	2 260	2 160	1 810	20
21	1 920	1 640	816	566	400	647	657	651	1 080	2 260	2 160	1 770	21
22	1 920	1 650	748	568	402	635	658	649	1 070	2 270	2 170	1 760	22
23	1 890	1 620	702	575	404	642	631	653	1 080	2 280	2 150	1 760	23
24	1 870	1 630	638	570	404	656	661	657	1 070	2 270	2 150	1 750	24
25	1 850	1 650	589	568	406	659	659	656	1 080	2 270	2 140	1 750	25
26	1 870	1 640	573	567	407	649	643	645	1 090	2 250	2 140	1 750	26
27	1 830	1 650	572	566	390	651	655	639	1 080	2 220	2 150	1 750	27
28	1 820	1 650	571	565	389	651	647	652	1 360	2 200	2 150	1 740	28
29	1 820		571	564	390	660	651	652	1 370	2 250	2 100	1 790	29
30	1 830		571	569	390	649	663	655	1 370	2 260	2 100	1 780	30
31	1 830		570		390		667	657		2 260		1 770	31
TOTAL	59 750	47 930	33 881	17 065	14 553	14 756	20 412	20 221	31 982	59 610	65 630	55 770	TOTAL
MEAN	1 930	1 710	1 090	569	469	492	658	652	1 070	1 920	2 190	1 800	MEAN
MAX	2 020	1 800	1 640	575	578	660	682	666	1 370	2 280	2 280	2 110	MAX
MIN	1 820	1 620	570	564	389	379	631	636	644	1 330	2 040	1 450	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 210
MAXIMUM DAILY, 2 280 ON OCT 23
MINIMUM DAILY, 379 ON JUN 7

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 29 53 N
LONG 98 02 53 W

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 160 000	JUL	1 760 000
FEB	4 140 000	AUG	1 750 000
MAR	2 930 000	SEP	2 760 000
APR	1 470 000	OCT	5 150 000
MAY	1 260 000	NOV	5 670 000
JUN	1 270 000	DEC	4 820 000

TOTAL DISCHARGE, 38 100 000 dam³

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 290B	2 100B	1 880B	1 100	1 110	828	1 170	1 190	1 170	1 620	2 790	2 570B	1
2	2 290B	2 090B	1 870B	1 100	1 120	827	1 190	1 170	1 150	1 640	2 810	2 540B	2
3	2 280B	2 080B	1 860B	1 090	1 130	824	1 220	1 160	1 140	1 650	2 830	2 510B	3
4	2 280B	2 080B	1 860B	1 090	1 140	830	1 220	1 170	1 190	1 710	2 850	2 480B	4
5	2 280B	2 070B	1 850B	1 090	1 140	832	1 220	1 190	1 260	1 770	2 840	2 450B	5
6	2 280B	2 060B	1 840B	1 090	1 150	847	1 230	1 190	1 310	1 840	2 840	2 410B	6
7	2 280B	2 050B	1 820B	1 100	1 160	847	1 240	1 180	1 350	1 900	2 850	2 380B	7
8	2 270B	2 040B	1 800B	1 110	1 180	844	1 260	1 180	1 370	1 960	2 860	2 330B	8
9	2 270B	2 040B	1 790B	1 110	1 170	831	1 200	1 170	1 380	2 040	2 860	2 290B	9
10	2 260B	2 030B	1 770B	1 120	1 160	829	1 210	1 160	1 400	2 060	2 830	2 250B	10
11	2 260B	2 020B	1 760B	1 120	1 160	820	1 230	1 140	1 400	2 070	2 770	2 210B	11
12	2 260B	2 010B	1 740B	1 120	1 170	820	1 240	1 160	1 420	2 110	2 750	2 180B	12
13	2 250B	2 010B	1 720B	1 100	1 160	815	1 240	1 150	1 440	2 160	2 740	2 160B	13
14	2 240B	2 000B	1 690B	1 110	1 130	819	1 240	1 150	1 450	2 180	2 740	2 150B	14
15	2 240B	1 990B	1 660B	1 110	1 110	815	1 240	1 150	1 460	2 210	2 730B	2 140B	15
16	2 230B	1 980B	1 640B	1 110	1 070	805	1 230	1 150	1 470	2 220	2 720B	2 130B	16
17	2 220B	1 970B	1 620B	1 110	1 030	791	1 230	1 150	1 460	2 270	2 710B	2 120B	17
18	2 210B	1 960B	1 580B	1 110	1 010	864	1 200	1 170	1 460	2 290	2 710B	2 120B	18
19	2 210B	1 960B	1 540B	1 110	994	873	1 190	1 190	1 490	2 310	2 700B	2 110B	19
20	2 200B	1 950B	1 500B	1 110	983	909	1 210	1 190	1 500	2 400	2 690B	2 110B	20
21	2 190B	1 940B	1 460	1 120	974	954	1 190	1 190	1 510	2 430	2 690B	2 100B	21
22	2 180B	1 930B	1 390	1 120	962	987	1 180	1 180	1 520	2 510	2 680B	2 100B	22
23	2 170B	1 930B	1 340	1 120	961	1 010	1 180	1 190	1 500	2 560	2 680B	2 100B	23
24	2 170B	1 920B	1 270	1 120	927	1 050	1 190	1 190	1 490	2 610	2 670B	2 100B	24
25	2 160B	1 920B	1 210	1 110	898	1 100	1 200	1 180	1 520	2 650	2 660B	2 090B	25
26	2 150B	1 910B	1 160	1 110	881	1 110	1 170	1 170	1 570	2 690	2 650B	2 090B	26
27	2 140B	1 910B	1 120	1 110	855	1 110	1 160	1 160	1 620	2 710	2 640B	2 090B	27
28	2 130B	1 890B	1 110	1 120	852	1 130	1 150	1 160	1 560	2 720	2 630B	2 080B	28
29	2 120B		1 100	1 130	853	1 160	1 150	1 150	1 570	2 730	2 610B	2 080B	29
30	2 110B		1 100	1 120	847	1 170	1 180	1 170	1 600	2 750	2 590B	2 080B	30
31	2 110B		1 100		838		1 200	1 180		2 780		2 070B	31
TOTAL	68 730	55 840	48 150	33 290	32 125	27 451	37 360	36 280	42 730	69 550	82 120	68 620	TOTAL
MEAN	2 220	1 990	1 550	1 110	1 040	915	1 210	1 170	1 420	2 240	2 740	2 210	MEAN
MAX	2 290	2 100	1 880	1 130	1 180	1 170	1 260	1 190	1 620	2 780	2 860	2 570	MAX
MIN	2 110	1 890	1 100	1 090	838	791	1 150	1 140	1 140	1 620	2 590	2 070	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 650
MAXIMUM DAILY, 2 860 ON NOV 8
MINIMUM DAILY, 791 ON JUN 17
MAXIMUM INSTANTANEOUS,
2 880 AT 21:15 CST ON NOV 7

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 46 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 000 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 940 000	JUL	3 230 000
FEB	4 820 000	AUG	3 130 000
MAR	4 160 000	SEP	3 690 000
APR	2 880 000	OCT	6 010 000
MAY	2 780 000	NOV	7 100 000
JUN	2 370 000	DEC	5 930 000

TOTAL DISCHARGE, 52 000 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 130	2 140	2 200	1 140	879	1 020	1 200	634	906	1 620	2 270	2 440	1
2	2 150	2 140	2 180	1 120	918	1 050	1 380	579	1 020	1 620	2 290	2 440	2
3	2 160	2 140	2 130	1 060	960	933	1 360	497	1 050	1 620	2 290	2 470	3
4	2 160	2 110	2 080	986	1 030	959	1 020	701	1 110	1 620	2 290	2 470	4
5	2 160	2 100	2 070	925	998	911	1 160	701	917	1 620	2 330	2 470	5
6	2 160	2 130	2 090	1 030	1 020	779	1 170	847	1 020	1 620	2 400	2 470	6
7	2 150	2 120	2 050	925	937	773	1 190	968	1 010	1 570	2 400	2 440	7
8	2 150	2 080	2 060	959	1 010	844	1 290	936	1 160	1 670	2 390	2 420	8
9	2 160	2 080	2 020	964	786	829	1 480	1 070	1 070	1 630	2 350	2 410	9
10	2 160	2 110	2 010	910	886	898	1 610	1 080	1 150	1 630	2 270	2 360	10
11	2 160	2 160	2 010	896	1 000	842	1 610	1 120	1 220	1 630	2 180	2 310	11
12	2 160	2 190	1 960	893	909	1 050	1 570	1 140	1 050	1 640	2 170	2 310	12
13	2 120	2 180	1 930	937	1 200	876	1 460	1 150	1 100	1 640	2 200	2 250	13
14	2 130	2 130	1 930	992	1 090	665	1 390	1 100	1 300	1 630	2 250	2 230	14
15	2 120	2 130	1 930	921	942	839	1 390	1 080	1 380	1 640	2 280	2 240	15
16	2 130	2 150	1 930	863	951	934	1 390	1 100	1 610	1 650	2 290	2 200	16
17	2 140	2 180	1 920	858	949	818	1 390	1 120	1 600	1 650	2 280	2 160	17
18	2 130	2 210	1 880	898	726	873	1 390	1 170	1 530	1 630	2 270	2 080	18
19	2 090	2 210	1 840	864	825	1 000	1 380	1 040	1 490	1 650	2 300	2 020	19
20	2 050	2 220	1 770	888	799	966	1 390	990	1 490	1 670	2 300	2 010	20
21	2 120	2 230	1 720	852	897	1 030	1 390	1 070	1 540	1 810	2 300	1 970	21
22	2 140	2 150	1 700	866	857	1 050	1 350	943	1 590	1 810	2 320	1 940	22
23	2 110	2 270	1 610	824	754	1 070	1 350	956	1 520	1 900	2 340	1 940	23
24	2 110	2 270	1 630	793	988	997	1 390	883	1 550	1 950	2 380	1 940	24
25	2 110	2 320	1 600	835	906	1 060	1 340	902	1 540	1 950	2 390	1 950	25
26	2 130	2 290	1 480	814	998	1 220	1 380	1 010	1 520	1 950	2 420	1 940	26
27	2 140	2 230	1 450	842	1 100	1 120	1 380	1 010	1 630	1 970	2 460	1 900	27
28	2 140	2 210	1 410	812	1 080	1 120	1 320	1 060	1 490	2 120	2 440	1 880	28
29	2 140		1 300	911	937	1 140	1 080	1 150	1 440	2 230	2 470	1 880	29
30	2 140		1 270	862	833	1 300	812	789	1 630	2 240	2 460	1 870	30
31	2 140		1 190		975		878	727		2 240		1 860	31
TOTAL	66 190	60 880	56 350	27 440	29 140	28 966	40 890	29 523	39 633	54 820	69 780	67 270	TOTAL
MEAN	2 140	2 170	1 820	915	940	966	1 320	952	1 320	1 770	2 330	2 170	MEAN
MAX	2 160	2 320	2 200	1 140	1 200	1 300	1 610	1 170	1 630	2 240	2 470	2 470	MAX
MIN	2 050	2 080	1 190	793	726	665	812	497	906	1 570	2 170	1 860	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 560
MAXIMUM DAILY, 2 470 ON NOV 29
MINIMUM DAILY, 497 ON AUG 3

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 20 N
LONG 96 31 30 W
DRAINAGE AREA, 1 010 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 720 000	JUL	3 530 000
FEB	5 260 000	AUG	2 550 000
MAR	4 870 000	SEP	3 420 000
APR	2 370 000	OCT	4 740 000
MAY	2 520 000	NOV	6 030 000
JUN	2 500 000	DEC	5 810 000

TOTAL DISCHARGE, 49 300 000 dam³

DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED SINCE 1960

NELSON RIVER AT NORWAY HOUSE - STATION NO. 05UB001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	216.977A	216.910	216.890	217.038	217.102	217.146	217.450	217.254	217.291	217.173	217.021	216.767	1
2	216.957A	216.909	216.880	217.039	217.124	217.167	217.477	217.317	217.422	217.375	217.002	216.708	2
3	216.960E	216.910	216.880	217.040	217.105	217.190	217.370	217.349	217.380	217.465	216.998	216.713	3
4	216.964E	216.912	216.876	217.044	217.098	217.229	217.383	217.373	217.326	217.281	216.969	216.697	4
5	216.967E	216.915	216.872	217.056	217.116	217.217	217.356	217.370	217.431	217.156	216.960E	216.684	5
6	216.967A	216.909	216.870E	217.069	217.136	217.135	217.307	217.338	217.332	217.148	216.967	216.675	6
7	216.957A	216.905	216.868A	217.096	217.141	217.115	217.360	217.349	217.278	217.180	216.994	216.680	7
8	216.957E	216.896	216.871E	217.093	217.057	217.141	217.411	217.369	217.250	217.174	216.789	216.684	8
9	216.957E	216.900	216.875E	217.079	217.076	217.136	217.464	217.341	217.312	217.198	216.817	216.699	9
10	216.957A	216.904	216.879A	217.041	217.129	217.146	217.374	217.324	217.326	217.295	216.858	216.715	10
11	216.967A	216.903	216.880A	217.043	217.140	217.128	217.350	217.366	217.298	217.259	216.940	216.778	11
12	216.967E	216.899	216.891A	217.063	217.138	217.166	217.349	217.286	217.301	217.296	217.040	216.799	12
13	216.967A	216.901	216.881A	217.070	217.147	217.130	217.325	217.380	217.244	217.342	217.050	216.781	13
14	216.967A	216.900	216.902A	217.069	217.082	216.997	217.292	217.298	217.203	217.222	216.990	216.776	14
15	216.947A	216.904	216.903A	217.076	216.912	216.982	217.307	217.305	217.160	217.172	216.972	216.776	15
16	216.956	216.909	216.893A	217.070	217.016	217.097	217.323	217.425	217.197	217.242	216.939	216.774	16
17	216.967	216.906	216.884A	217.033	217.097	217.113	217.332	217.407	217.326	217.079	216.858	216.779	17
18	216.965	216.896	216.890E	217.061	217.139	217.006	217.366	217.373	217.282	216.885	216.864	216.782	18
19	216.959	216.894	216.905A	217.069	217.171	217.086	217.326	217.401	217.204	216.959	216.886	216.793	19
20	216.951	216.894	216.915A	217.073	217.185	217.142	217.278	217.379	217.217	216.956	216.909	216.805	20
21	216.956	216.910	216.936A	217.076	217.184	217.168	217.310	217.400	217.279	216.960	216.983	216.808	21
22	216.956	216.911	216.947A	217.076	216.967	217.225	217.350	217.428	217.356	216.949	216.961	216.800	22
23	216.946	216.906	216.957A	217.070	216.872	217.256	217.418	217.337	217.517	216.942	216.892	216.792	23
24	216.937	216.901	216.978A	217.075	216.958	217.279	217.329	217.347	217.330	217.002	216.829	216.797	24
25	216.928	216.894	216.988A	217.080	217.025	217.245	217.225	217.352	217.285	216.899	216.820	216.813	25
26	216.909	216.891	216.989A	217.088	217.114	217.252	217.238	217.346	217.068	217.028	216.832	216.817	26
27	216.916	216.890	217.008	217.093	217.168	217.328	217.306	217.361	216.924	217.005	216.809	216.818	27
28	216.918	216.890	217.026	217.102	217.148	217.276	217.398	217.411	216.977	217.071	216.782	216.819	28
29	216.914		217.032	217.092	217.073	217.283	217.409	217.479	217.070	217.095	216.779	216.819	29
30	216.921		217.029	217.092	217.073	217.366	217.238	217.308	217.136	217.053	216.795	216.828	30
31	216.921		217.046		217.108		217.241	217.334		217.014		216.827	31
MEAN	216.950	216.902	216.924	217.069	217.090	217.172	217.344	217.358	217.257	217.125	216.910	216.768	MEAN
MAX	216.977	216.915	217.046	217.102	217.185	217.366	217.477	217.479	217.517	217.465	217.050	216.828	MAX
MIN	216.909	216.890	216.868	217.033	216.872	216.982	217.225	217.254	216.924	216.885	216.779	216.675	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 217.074
MAXIMUM DAILY, 217.517 ON SEP 23
MINIMUM DAILY, 216.675 ON DEC 6
MAXIMUM INSTANTANEOUS,
217.565 AT 14:10 CST ON SEP 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 48 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER AT WARREN LANDING - STATION NO. 05UD003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.259	217.221	217.163	217.196	217.234	217.189	217.496	217.395	217.508	217.394	217.614	217.421	1
2	217.255	217.225	217.164	217.199	217.239	217.169	217.449	217.442	217.674	217.808	217.545	217.417	2
3	217.259	217.227	217.166	217.194	217.189	217.195	217.393	217.427	217.334	217.533	217.507	217.444	3
4	217.256	217.239	217.153	217.204	217.217	217.233	217.430	217.435	217.508	217.334	217.498	217.398	4
5	217.273	217.225	217.153	217.219	217.216	217.186	217.386	217.376	217.602	217.278	217.350	217.425	5
6	217.250	217.211	217.159	217.232	217.210	217.199	217.408	217.333	217.367	217.322	217.473	217.447	6
7	217.251	217.206	217.155	217.256	217.216	217.224	217.413	217.379	217.361	217.415	217.393	217.425	7
8	217.265	217.215	217.155	217.228	217.187	217.204	217.465	217.267	217.430	217.424	217.189	217.365	8
9	217.256	217.209	217.154	217.208	217.172	217.212	217.439	217.384	217.398	217.470	217.507	217.393	9
10	217.264	217.211	217.157	217.180	217.204	217.232	217.377	217.432	217.443	217.450	217.362	217.436	10
11	217.280	217.200	217.173	217.208	217.204	217.192	217.385	217.406	217.383	217.385	217.475	217.515	11
12	217.268	217.216	217.141	217.230	217.190	217.211	217.502	217.356	217.388	217.485	217.529	217.379	12
13	217.259	217.210	217.154	217.210	217.196	217.151	217.576	217.463	217.336	217.481	217.481	217.367	13
14	217.257	217.213	217.161	217.217	217.193	217.095	217.456	217.337	217.308	217.339	217.434	217.372A	14
15	217.266	217.225	217.125	217.220	217.076	217.114	217.390	217.410	217.275	217.336	217.444	---	15
16	217.296	217.219	217.128	217.187	217.157	217.270	217.385	217.554	217.367	217.457	217.384	---	16
17	217.307	217.200	217.114	217.172	217.214	217.199	217.357	217.419	217.490	217.139	217.370	---	17
18	217.290	217.190	217.128	217.221	217.204	216.998	217.404	217.442	217.334	217.103	217.435	---	18
19	217.260	217.203	217.130	217.196	217.216	217.265	217.341	217.464	217.289	217.262	217.438	---	19
20	217.281	217.202	217.126	217.213	217.221E	217.233	217.357	217.438	217.354	217.204	217.536	---	20
21	217.279	217.216	217.128	217.192	217.207E	217.250	217.360	217.472	217.411	217.265	217.620	---	21
22	217.272	217.211	217.136	217.196	217.145E	217.278	217.405	217.460	217.541	217.200	217.527	---	22
23	217.258	217.198	217.127	217.207	217.065E	217.309	217.482	217.386	217.523	217.323	217.502	---	23
24	217.249	217.186	217.124	217.205	217.120E	217.327	217.284	217.414	217.353	217.303	217.402	---	24
25	217.229	217.185	217.107	217.211	217.162E	217.275	217.292	217.377	217.392	217.305	217.452	---	25
26	217.221	217.183	217.123	217.226	217.200E	217.326	217.347	217.412	217.096	217.535	217.411	---	26
27	217.248	217.177	217.176	217.234	217.215E	217.365	217.431	217.460	216.997	217.580	217.336	---	27
28	217.222	217.194	217.185	217.232	217.214A	217.289	217.508	217.513	217.309	217.775	217.398	---	28
29	217.242		217.185	217.203	217.085	217.346	217.433	217.524	217.371	217.750	217.530	---	29
30	217.241		217.204	217.226	217.146	217.447	217.310	217.440	217.357	217.712	217.544	---	30
31	217.227		217.209		217.164		217.343	217.309		217.660		---	31
MEAN	217.259	217.208	217.150	217.211	217.183	217.231	217.407	217.417	217.383	217.420	217.456	---	MEAN
MAX	217.307	217.239	217.209	217.256	217.239	217.447	217.576	217.554	217.674	217.808	217.620	---	MAX
MIN	217.221	217.177	217.107	217.172	217.065	216.998	217.284	217.267	216.997	217.103	217.189	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.808 ON OCT 2
MINIMUM DAILY, 216.997 ON SEP 27
MAXIMUM INSTANTANEOUS,
217.997 AT 12:45 CST ON OCT 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 51 N
LONG 97 52 15 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NETLEY CREEK NEAR MATLOCK - STATION NO. 05OJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.054	0.001	0	---	---	---	---	---	---	1
2	---	---	0 B	0.034	0.004	0	---	---	---	---	---	---	2
3	---	---	0 B	0.039	0.004	0	---	---	---	---	---	---	3
4	---	---	0 B	0.027	0.002	0.001	---	---	---	---	---	---	4
5	---	---	0 B	0.022	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0.014	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0.008	0.002	0	---	---	---	---	---	---	7
8	---	---	0 B	0.002	0.028	0.001	---	---	---	---	---	---	8
9	---	---	0 B	0.003	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0	0	0	---	---	---	---	---	---	10
11	---	---	0.001B	0	0.003	0	---	---	---	---	---	---	11
12	---	---	0.001B	0.006	0.005	0	---	---	---	---	---	---	12
13	---	---	0.002B	0	0.003	0	---	---	---	---	---	---	13
14	---	---	0.003B	0	0.004	0.002	---	---	---	---	---	---	14
15	---	---	0.004B	0	0.002	0.002	---	---	---	---	---	---	15
16	---	---	0.005B	0	0.005	0.001	---	---	---	---	---	---	16
17	---	---	0.006B	0	0.004	0.002	---	---	---	---	---	---	17
18	---	---	0.006B	0	0	0.005	---	---	---	---	---	---	18
19	---	---	0.005B	0.001	0.001	0.003	---	---	---	---	---	---	19
20	---	---	0.003B	0.004	0	0.004	---	---	---	---	---	---	20
21	---	---	0.002B	0.002	0	0.002	---	---	---	---	---	---	21
22	---	---	0.001B	0.001	0	0.003	---	---	---	---	---	---	22
23	---	---	0 E	0	0	0.001	---	---	---	---	---	---	23
24	---	---	0.001A	0	0	0.010	---	---	---	---	---	---	24
25	---	---	0.001E	0	0.001	0.006	---	---	---	---	---	---	25
26	---	---	0.008E	0.002	0	0.005	---	---	---	---	---	---	26
27	---	---	0.016E	0	0	0.010	---	---	---	---	---	---	27
28	---	---	0.039E	0	0	0.014	---	---	---	---	---	---	28
29	---		0.083E	0.005	0	0.014	---	---	---	---	---	---	29
30	---		0.081E	0.006	0	0.009	---	---	---	---	---	---	30
31	---		0.074A		0		---	---		---		---	31
TOTAL	---	---	0.342	0.230	0.069	0.095	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.011	0.008	0.002	0.003	---	---	---	---	---	---	MEAN
MAX	---	---	0.083	0.054	0.028	0.014	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.083E ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.779 AT 09:31 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 52 N
LONG 97 09 56 W
DRAINAGE AREA, 245 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	29.5	SEP	---
APR	19.9	OCT	---
MAY	5.96	NOV	---
JUN	8.21	DEC	---

TOTAL DISCHARGE, 63.6 dam³

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE DUE TO RELEASE OF WATER STORED BY BEAVER DAM

NETLEY CREEK NEAR PETERSFIELD - STATION NO. 05OJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.638B	0.033	0.062	0.092	0.003	0.012	0.264	---	---	1
2	---	---	0 B	0.489B	0.037	0.038	0.120	0.010	0	0.267	---	---	2
3	---	---	0 B	0.550B	0.03.	0.022	0.109	0.007	0	0.304	---	---	3
4	---	---	0 B	0.274B	0.028	0.003	0.120	0.002	0	0.452	---	---	4
5	---	---	0 B	0.169B	0.027	0.031	0.148	0.006	0	0.532	---	---	5
6	---	---	0 B	0.115	0.026	0.022	0.103	0.056	0.006	0.590	---	---	6
7	---	---	0 B	0.112	0.024	0.001	0.125	0.155	0.024	0.587	---	---	7
8	---	---	0 B	0.098	0.025	0	0.181	0.106	0.017	0.548	---	---	8
9	---	---	0 B	0.068	0.030	0	0.185	0.011	0.053	0.518	---	---	9
10	---	---	0 B	0.064	0.029	0	0.106	0	0.064	0.528	---	---	10
11	---	---	0 B	0.043	0.027	0	0.111	0	0.037	0.516	---	---	11
12	---	---	0 B	0.044	0.031	0	0.121	0	0.025	0.501	---	---	12
13	---	---	0 B	0.048	0.024	0	0.067	0	0.002	0.660	---	---	13
14	---	---	0 B	0.053	0.028	0.014	0.057	0	0	0.795	---	---	14
15	---	---	0 B	0.091	0.022	0.010	0.071	0	0.002	0.660	---	---	15
16	---	---	0 B	0.068	0.012	0.014	0.055	0	0.040	0.552	---	---	16
17	---	---	0 B	0.060	0.010	0.003	0.014	0	0.061	0.504	---	---	17
18	---	---	0 B	0.061	0.006	0.022	0.012	0	0.038	0.543	---	---	18
19	---	---	0 E	0.053	0	0.018	0.016	0	0.015	0.563	---	---	19
20	---	---	0 B	0.036	0	0.012	0.009	0	0.074	0.534	---	---	20
21	---	---	0 B	0.041	0	0.014	0.008	0	0.099	0.469	---	---	21
22	---	---	0 B	0.052	0	0.010	0.001	0	0.063	0.373	---	---	22
23	---	---	0.105B	0.035	0.018	0	0.021	0	0.107	0.282	---	---	23
24	---	---	0.306B	0.037	0.048	0	0.026	0	0.049	0.220	---	---	24
25	---	---	0.436B	0.054	0.045	0	0.018	0	0.034	0.200	---	---	25
26	---	---	0.502B	0.033	0.038	0	0.015	0	0.115	0.136	---	---	26
27	---	---	0.563B	0.029	0.030	0	0.013	0	0.192	0.050	---	---	27
28	---	---	0.607B	0.022	0.023	0.013	0.001	0	0.138	0.033	---	---	28
29	---		0.626B	0.023	0.060	0.027	0	0	0.172	0.041	---	---	29
30	---		0.642B	0.038	0.073	0.043	0.013	0	0.213	0.042A	---	---	30
31	---		0.662B		0.063		0.024	0.002		0.047E		---	31
TOTAL	---	---	4.449	3.498	0.850	0.379	1.962	0.358	1.652	12.311	---	---	TOTAL
MEAN	---	---	0.144	0.117	0.027	0.013	0.063	0.012	0.055	0.397	---	---	MEAN
MAX	---	---	0.662	0.638	0.073	0.062	0.185	0.155	0.213	0.795	---	---	MAX
MIN	---	---	0	0.022	0	0	0	0	0	0.033	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.104
MAXIMUM DAILY, 0.795 ON OCT 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.845 AT 03:04 CST ON OCT 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 38 N
LONG 97 02 39 W
DRAINAGE AREA, 598 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	170
FEB	---	AUG	30.9
MAR	384	SEP	143
APR	302	OCT	1 060
MAY	73.4	NOV	---
JUN	32.7	DEC	---

TOTAL DISCHARGE, 2 200 dam³

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.971	255.931	255.901	255.872	---	---	---	---	255.838	255.909	256.069	256.124	1
2	255.970	255.931	255.898	255.875	---	---	---	---	255.892	255.771	256.073	256.124	2
3	255.968	255.929	255.901	255.873	---	255.926A	---	---	255.968	255.965	256.076	256.120	3
4	255.967	255.928	255.900	255.864	---	---	---	---	255.870	255.982	256.077	256.123	4
5	255.968	255.926	255.897	255.864	---	---	---	---	255.919	255.970	256.078	256.125	5
6	255.961	255.926	255.899	255.862	---	---	---	---	255.951	255.956	256.080	256.134	6
7	255.959	255.926	255.897	255.865	---	---	256.015A	---	255.959	255.958	256.089	256.140	7
8	255.961	255.922A	255.896	255.865	---	---	---	---	255.913	255.933	256.086	256.139	8
9	255.955	255.922E	255.894	255.867	---	---	---	---	255.950	255.936	256.085	256.142	9
10	255.957	255.921E	255.893	255.869	---	---	---	255.940A	255.941	255.969	256.090	256.148	10
11	255.958	255.921E	255.892	255.869	---	---	---	255.971	255.946	255.996	256.085	256.146	11
12	255.954	255.921E	255.890	255.870	---	---	---	255.942	255.940	256.034	256.092	256.148	12
13	255.951	255.920E	255.887	255.871	---	---	---	255.940	255.953	256.055	256.095	256.150	13
14	255.948	255.920A	255.884	255.870	---	---	---	255.958	255.956	256.018	256.091	256.158	14
15	255.951	255.919	255.884	255.875	---	---	---	255.920	255.954	256.009	256.102	256.174	15
16	255.952	255.916	255.882	255.878	---	---	---	255.899	255.916	256.015	256.131	256.172	16
17	255.950	255.914	255.880	255.873	---	---	---	255.949	255.905	256.097	256.103	256.167A	17
18	255.950	255.913	255.877	255.874	---	---	---	255.930	255.945	256.040	256.099	---	18
19	255.945	255.910	255.874	255.876	---	---	---	255.950	255.925	256.048	256.102	---	19
20	255.946	255.916	255.876	255.878	---	---	---	255.942	255.876	256.053	256.103	---	20
21	255.945	255.915	255.869	255.884	---	---	---	255.926	255.889	256.030	256.105	---	21
22	255.944	255.916	255.868	255.890	---	---	---	255.960	255.871	256.062	256.108	---	22
23	255.941	255.915	255.871	255.896	---	---	---	255.964	255.880	256.009	256.113	---	23
24	255.941	255.913	255.869	255.898	---	---	256.115A	255.960	255.921	256.040	256.113	---	24
25	255.941	255.910	255.866	255.897A	---	---	---	255.963	255.924	256.030	256.113	---	25
26	255.941	255.909	255.863	---	---	---	---	255.958	256.140	256.038	256.116	---	26
27	255.941	255.907	255.862	---	---	---	---	255.941	256.052	256.036	256.115	---	27
28	255.939	255.903	255.859	---	---	---	---	255.894	255.936	256.039	256.116	---	28
29	255.940		255.861	---	---	---	---	255.935	255.942	256.042	256.116	---	29
30	255.933		255.861	---	---	---	---	255.945	255.958	256.054	256.120	---	30
31	255.936		255.874		---		256.066A	255.996		256.067		---	31
MEAN	255.951	255.919	255.881	---	---	---	---	---	255.934	256.005	256.098	---	MEAN
MAX	255.971	255.931	255.901	---	---	---	---	---	256.140	256.097	256.131	---	MAX
MIN	255.933	255.903	255.859	---	---	---	---	---	255.838	255.771	256.069	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1964

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NORTH SEAL RIVER BELOW STONY LAKE - STATION NO. 06GB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	89.3B	58.7B	45.6B	37.6B	35.7B	160	205	181	131	114	93.9	79.7B	1
2	87.9B	58.0B	45.3B	37.5B	35.7B	168	208	178	129	113	95.3	78.8B	2
3	86.5B	57.6B	44.7B	37.1B	35.8B	176	209	177	135	111	95.4	77.8B	3
4	85.5B	56.9B	44.4B	37.1B	35.8B	181	210	175	132	110	94.3B	76.9B	4
5	84.1B	56.3B	44.1B	37.1B	36.1B	185	211	175	130	112	94.3B	76.0B	5
6	82.6B	56.0B	43.8B	37.0B	36.3B	190	204	175	129	113	94.3B	74.7B	6
7	81.1B	55.2B	43.5B	36.9B	36.9B	195	206	172	128	112	93.3B	73.8B	7
8	80.2B	54.9B	43.2B	36.7B	37.6B	199	207	171	127	110	93.3B	73.3B	8
9	78.8B	54.3B	42.6B	36.6B	39.7B	201	214	169	125	108	92.8B	72.4B	9
10	77.8B	54.0B	42.3B	36.5B	41.5B	200	211	168	126	107	92.2B	71.6B	10
11	76.5B	53.3B	42.0B	36.5B	43.8B	202	205	166	127	109	91.7B	70.7B	11
12	75.6B	52.7B	41.8B	36.4B	46.7B	206	205	161	125	109	91.2B	69.5B	12
13	74.2B	52.4B	41.5B	36.4B	49.0B	205	204	161	124	108	90.7B	68.2B	13
14	73.3B	52.0B	41.3B	36.3B	51.4B	206	202	162	123	107	90.3B	67.4B	14
15	72.4B	51.4B	41.1B	36.3B	54.6B	208	196	159	123	106	89.3B	66.6B	15
16	71.1B	51.0B	40.9B	36.2B	57.6B	208	200	158	123	106	88.9B	66.2B	16
17	70.3B	50.7B	40.6B	36.1B	62.3	209	199	156	122	105	88.4B	64.9B	17
18	69.5B	50.1B	40.4B	36.1B	67.0	209	199	155	120	105	87.9B	64.1B	18
19	68.2B	49.8B	40.2B	36.0B	70.0	209	200	150	119	103	87.4B	63.4B	19
20	67.4B	49.3B	39.9B	36.0B	74.1	209	197	150	119	104	87.0B	63.0B	20
21	66.6B	49.0B	39.7B	35.9B	79.6	209	194	149	118	104	86.5B	62.6B	21
22	65.7B	48.4B	39.4B	35.8B	83.2	209	193	146	119	101	86.0B	61.9B	22
23	64.9B	48.1B	39.2B	35.8B	89.3	209	192	144	120	100	85.5B	60.8B	23
24	61.1B	47.8B	38.9B	35.8B	96.1	209	192	143	122	99.1	84.5B	60.1B	24
25	63.4B	47.2B	38.7B	35.8B	103	207	192	141	119	100	84.1B	59.7B	25
26	62.6B	47.0B	38.4B	35.8B	111	208	191	139	117	98.6B	83.1B	59.0B	26
27	61.9B	46.7B	38.3B	35.8B	119	211	189	138	116	98.1B	82.6B	58.3B	27
28	61.1B	46.1B	38.1B	35.7B	128	209	187	136	115	97.5B	82.1B	57.6B	28
29	60.4B		38.1B	35.7B	136	206	184	132	113	97.0B	81.1B	57.3B	29
30	59.7B		37.9B	35.6B	144	205	182	130	113	96.6	80.7B	56.6B	30
31	59.4B		37.6B		152		182	131		94.5		56.0B	31
TOTAL	2 239.1	1 454.9	1 273.5	1 090.1	2 188.8	6 008	6 170	4 848	3 689	3 258.4	2 668.1	2 068.9	TOTAL
MEAN	72.2	52.0	41.1	36.3	70.6	200	199	156	123	105	88.9	66.7	MEAN
MAX	89.3	58.7	45.6	37.6	152	211	214	181	135	114	95.4	79.7	MAX
MIN	59.4	46.1	37.6	35.6	35.7	160	182	130	113	94.5	80.7	56.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 101
MAXIMUM DAILY, 214 ON JUL 9
MINIMUM DAILY, 35.6B ON APR 30
MAXIMUM INSTANTANEOUS,
215 AT 14:56 CST ON JUL 5

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 40 N
LONG 98 17 20 W
DRAINAGE AREA, 17 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	193 000	JUL	533 000
FEB	126 000	AUG	419 000
MAR	110 000	SEP	319 000
APR	94 200	OCT	282 000
MAY	189 000	NOV	231 000
JUN	519 000	DEC	179 000

TOTAL DISCHARGE, 3 190 000 dam³

NORTH SHOAL LAKE NEAR INWOOD - STATION NO. 05LN004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.519	29.472	---	---	29.496	29.317	29.306	29.273	29.232	---	---	29.260	1
2	29.518	29.475	---	---	29.441	29.319	29.308	29.270	29.237	---	---	29.261	2
3	29.518	29.480	---	---	29.441	29.320	29.309	29.266	29.234	---	---	29.262	3
4	29.514	29.489	---	---	29.442	29.316	29.306	29.268	29.233	---	---	29.260	4
5	29.507	29.488	---	---	29.445	29.317	29.307	29.284	29.231	---	---	29.259	5
6	29.499	29.491	---	---	29.447	29.317	29.306	29.305	29.234	---	---	29.262	6
7	29.491	29.499	---	---	29.434	29.315	29.306	29.255	29.234	---	---	29.262	7
8	29.484	29.499	---	---	29.405	29.315	29.303	29.250	29.232	---	---	29.261	8
9	29.476	29.500	---	---	29.413	29.314	29.300	29.235	29.230	---	---	29.261	9
10	29.470	29.506	---	---	29.429	29.311	29.300	29.259	29.231	---	---	29.265	10
11	29.464	29.507A	---	---	29.433	29.312	29.300	29.260	29.229	---	---	29.270	11
12	29.459	29.500E	---	---	29.422	29.312	29.301	29.262	29.227	---	---	29.273	12
13	29.451	29.493E	---	---	29.402	29.312	29.301	29.260	29.223	---	29.260A	29.272	13
14	29.436	29.486E	---	---	29.390	29.309	29.298	29.259	29.220	---	29.259	29.271	14
15	29.430	29.479E	---	---	29.383	29.308	29.294	29.256	29.218	---	29.258	29.270	15
16	29.434	29.472E	---	---	29.351	29.311	29.287	29.254	29.217	---	29.275	29.270	16
17	29.441	29.465E	---	---	29.373	29.307	29.286	29.255	29.215	---	29.272	29.269	17
18	29.437	29.458E	29.432A	---	29.382	29.305	29.285	29.251	29.217	---	29.279	29.268	18
19	29.434	29.452A	---	---	29.378	29.306	29.286	29.251	29.213	---	29.276	29.269	19
20	29.437	29.451E	---	---	29.378	29.308	29.281	29.250	29.212	---	29.254	29.273	20
21	29.441	29.450E	---	---	29.382	29.308	29.281	29.248	29.210A	---	29.255	29.278	21
22	29.444	29.449E	---	---	29.363	29.308	29.279	29.246	---	---	29.255	29.277	22
23	29.446	29.449E	---	---	29.331	29.306	29.281	29.247	---	---	29.258	29.277	23
24	29.441	29.448E	---	---	29.332	29.306	29.295	29.245	---	---	29.261	29.277	24
25	29.448	29.447E	---	---	29.340	29.306	29.278	29.243	---	---	29.262	29.276	25
26	29.449	29.446E	---	---	29.373	29.310	29.279	29.243	---	---	29.264	29.274	26
27	29.453	29.446E	---	---	29.328	29.309	29.277	29.244	---	---	29.262	29.275	27
28	29.456	29.445E	---	---	29.324	29.308	29.276	29.239	---	---	29.261	29.270	28
29	29.457		---	---	29.319	29.310	29.274	29.240	---	---	29.261	29.270	29
30	29.461		---	29.503A	29.320	29.305	29.279	29.238	---	---	29.260	29.270	30
31	29.469		---		29.320		29.274	29.195		---		29.269	31
MEAN	29.464	29.473	---	---	29.388	29.311	29.292	29.253	---	---	---	29.269	MEAN
MAX	29.519	29.507	---	---	29.496	29.320	29.309	29.305	---	---	---	29.278	MAX
MIN	29.430	29.445	---	---	29.319	29.305	29.274	29.195	---	---	---	29.259	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.519 ON JAN 1

MAXIMUM INSTANTANEOUS,
29.522 AT 12:19 CST ON JAN 3

WATER LEVELS ARE REFERRED TO ASSUMED DATUN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 00 N
LONG 97 37 30 W

A - MANUAL GAUGE

E - ESTIMATED

OAK CREEK NEAR STOCKTON - STATION NO. 05KG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.001B	0 B	0.070B	0.007	0.001	0.002	0.001	0.002	5.51	0.014	0.021	0.026B	1
2	0.001B	0 B	0.070B	0.007	0.002	0.001	0.001	0.002	1.54	0.012	0.025	0.024B	2
3	0.001B	0 B	0.053B	0.005	0.002	0.001	0.001	0.002	0.497	0.015	0.021	0.023B	3
4	0.001B	0 B	0.038B	0.005	0.001	0.002	0.001	0.001	0.210	0.022	0.018	0.022B	4
5	0.001B	0 B	0.027B	0.005	0.001	0.003	0.001	0.001	0.101	0.020	0.019	0.019B	5
6	0.001B	0 B	0.022B	0.005	0.001	0.002	0.001	0.001	0.066	0.018	0.017	0.019B	6
7	0.001B	0 B	0.017B	0.004	0.001	0.002	0.001	0.001	0.051	0.017	0.016	0.019B	7
8	0.001B	0 B	0.016B	0.003	0.001	0.002	0.001	0.001	0.030	0.019	0.015	0.019B	8
9	0.001B	0 B	0.017B	0.003	0.001	0.002	0.001	0.001	0.021	0.021	0.014	0.016B	9
10	0.001B	0 B	0.019B	0.002	0.001	0.003	0.001	0.001	0.016	0.015	0.015	0.016B	10
11	0.001B	0 B	0.031B	0.001	0.001	0.002	0.001	0.003	0.011	0.016	0.014	0.016B	11
12	0.001B	0 B	0.050B	0.001	0.001	0.002	0.001	0.002	0.012	0.024	0.023	0.016B	12
13	0.001B	0 B	0.046B	0.002	0.002	0.003	0.001	0.001	0.119	0.036	0.021	0.015B	13
14	0.001B	0 B	0.044B	0.003	0.003	0.004	0.001	0.010	0.023	0.034	0.016	0.013B	14
15	0.001B	0 B	0.048B	0.003	0.004	0.005	0.001	0.010	0.013	0.022	0.016	0.011B	15
16	0.001B	0.001B	0.045B	0.003	0.004	0.005	0.001	0.013	0.008	0.023	0.015	0.060B	16
17	0.001B	1.14 B	0.039B	0.002	0.004	0.005	0.001	0.022	0.010	0.018	0.014	0.013B	17
18	0.001B	1.07 B	0.028B	0.001	0.005	0.005	0.001	0.031	0.011	0.019	0.014B	0.010B	18
19	0.001B	0.806B	0.023B	0.001	0.006	0.004	0.001	0.054	0.011	0.021	0.020B	0.009B	19
20	0.001B	1.01 B	0.021B	0.001	0.007	0.004	0.001	0.126	0.010	0.017	0.033B	0.009B	20
21	0.001B	0.924B	0.018B	0.001	0.007	0.009	0.002	0.212	0.010	0.015	0.027B	0.008B	21
22	0.001B	0.638B	0.015B	0.001	0.007	0.007	0.001	0.299	0.010	0.015	0.028B	0.007B	22
23	0.001B	0.610B	0.014B	0.001	0.007	0.018	0.002	1.43	0.010	0.013	0.030B	0.007B	23
24	0.001B	0.285B	0.012B	0.001	0.007	0.012	0.002	4.25	0.011	0.014	0.033B	0.006B	24
25	0 B	0.379B	0.014B	0.001	0.006	0.001	0.002	2.78	0.012	0.013	0.030B	0.006B	25
26	0 B	0.157B	0.011B	0.001	0.005	0.006	0.002	1.33	0.019	0.015	0.028B	0.006B	26
27	0 B	0.096B	0.010B	0.002	0.004	0.008	0.002	0.795	0.018	0.016	0.027B	0.006B	27
28	0 B	0.080B	0.012	0.002	0.004	0.004	0.002	0.431	0.014	0.017	0.025B	0.006B	28
29	0 B		0.010	0.002	0.004	0.004	0.002	0.220	0.014	0.017	0.026B	0.006B	29
30	0 B		0.010	0.002	0.003	0.002	0.002	0.111	0.015	0.020	0.025B	0.006B	30
31	0 B		0.009		0.002		0.002	7.86		0.026		0.005B	31
TOTAL	0.024	7.196	0.859	0.078	0.105	0.130	0.041	20.003	8.403	0.589	0.646	0.444	TOTAL
MEAN	0.001	0.257	0.028	0.003	0.003	0.004	0.001	0.645	0.280	0.019	0.022	0.014	MEAN
MAX	0.001	1.14	0.070	0.007	0.007	0.018	0.002	7.86	5.51	0.039	0.033	0.060	MAX
MIN	0	0	0.009	0.001	0.001	0.001	0.001	0.001	0.008	0.012	0.014	0.005	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.106
MAXIMUM DAILY, 7.86 ON AUG 31
MINIMUM DAILY, 0B ON JAN 25
MAXIMUM INSTANTANEOUS,
11.1 AT 06:59 CST ON AUG 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 99 30 49 W
DRAINAGE AREA, 1 060 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2.07	JUL	3.54
FEB	622	AUG	1 730
MAR	74.2	SEP	726
APR	6.74	OCT	50.9
MAY	9.07	NOV	55.8
JUN	11.2	DEC	38.4

TOTAL DISCHARGE, 3 330 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05NG008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	429.293	429.309	429.344	429.416	429.396	429.278	429.276	429.135	429.143	429.076	429.073	429.071	1
2	429.288	429.308	429.348	429.420	429.397	429.285	429.249	429.142	429.125	429.094	429.072	429.072	2
3	429.288	429.310	429.358	429.416	429.378	429.287	429.249	429.142	429.115	429.062	429.073	429.075	3
4	429.292	429.310	429.362	429.418	429.374	429.291	429.249	429.141	429.125	429.062	429.067	429.076	4
5	429.297	429.313	429.367	429.422	429.375	429.286	429.233	429.143	429.118	429.064	429.068	429.076	5
6	429.295	429.314	429.373	429.446	429.371	429.287	429.241	429.148	429.105	429.069	429.072	429.080	6
7	429.295	429.313	429.376	429.429	429.368	429.280	429.216	429.149	429.102	429.071	429.053	429.081	7
8	429.295	429.311	429.382	429.424	429.343	429.278	429.208	429.141	429.109	429.064	429.058	429.081	8
9	429.295	429.311	429.385	429.430	429.342	429.267	429.201	429.138	429.105	429.069	429.069	429.080	9
10	429.297	429.309	429.387	429.427	429.351	429.261	429.195	429.139	429.101	429.066	429.062	429.079	10
11	429.299	429.307	429.391	429.427	429.338	429.259	429.202	429.134	429.099	429.072	429.062	429.082	11
12	429.305	429.309	429.391	429.425	429.336	429.254	429.208	429.125	429.099	429.091	429.063	429.078	12
13	429.306	429.314	429.390	429.400	429.333	429.242	429.204	429.120	429.090	429.084	429.060	429.077	13
14	429.306	429.319	429.393	429.414	429.335	429.251	429.194	429.112	429.083	429.071	429.060	429.074	14
15	429.305	429.322	429.392	429.423	429.301	429.239	429.199	429.105	429.076	429.074	429.061	429.073	15
16	429.301	429.322	429.393	429.415	429.293	429.260	429.186	429.100	429.076	429.075	429.056	429.073	16
17	429.303	429.321	429.390	429.388	429.309	429.252	429.181	429.101	429.080	429.037	429.053	429.072	17
18	429.304	429.322	429.391	429.392	429.315	429.248	429.181	429.096	429.077	429.056	429.048	429.072	18
19	429.304	429.321	429.393	429.392	429.322	429.257	429.177	429.087	429.067	429.060	429.054	429.075	19
20	429.302	429.323	429.396	429.409	429.323	429.255	429.166	429.084	429.064	429.053	429.061	429.078	20
21	429.305	429.326	429.393	429.406	429.321	429.252	429.162	429.084	429.060	429.055	429.065	429.081	21
22	429.305	429.326	429.395	429.382	429.288	429.266	429.159	429.081	429.064	429.036	429.068	429.078	22
23	429.308	429.327	429.398	429.388	429.271	429.287	429.159	429.093	429.058	429.058	429.070	429.079	23
24	429.307	429.325	429.404	429.385	429.288	429.287	429.135	429.125	429.059	429.045	429.070	429.082	24
25	429.310	429.326	429.401	429.381	429.297	429.276	429.138	429.130	429.057	429.051	429.071	429.079	25
26	429.313	429.332	429.404	429.383	429.308	429.282	429.138	429.131	429.045	429.057	429.072	429.079	26
27	429.307	429.336	429.407	429.375	429.314	429.268	429.142	429.125	429.054	429.054	429.071	429.078	27
28	429.308	429.339	429.412	429.389	429.312	429.259	429.142	429.126	429.065	429.056	429.073	429.075	28
29	429.305		429.416	429.384	429.299	429.259	429.126	429.120	429.064	429.061	429.073	429.074	29
30	429.306		429.415	429.378	429.311	429.270	429.126	429.114	429.066	429.065	429.071	429.071A	30
31	429.309		429.414		429.297		429.137	429.121		429.074		429.071E	31
MEAN	429.302	429.319	429.389	429.406	429.329	429.267	429.186	429.120	429.085	429.064	429.065	429.077	MEAN
MAX	429.313	429.339	429.416	429.446	429.397	429.291	429.276	429.189	429.143	429.094	429.073	429.082	MAX
MIN	429.288	429.307	429.344	429.375	429.271	429.239	429.126	429.081	429.045	429.036	429.048	429.071	MIN

WATER LEVELS IN METRES

MEAN, 429.217
MAXIMUM DAILY, 429.446 ON APR 6
MINIMUM DAILY, 429.036 ON OCT 22
MAXIMUM INSTANTANEOUS,
429.554 AT 00:47 CST ON APR 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 100 42 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
4 770 km²

OAK RIVER AT SHOAL LAKE - STATION NO. 05MG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.008	0.011	0.011	0.005	0	0	0	0	0B	1
2	0B	0B	0 B	0.008	0.011	0.010	0.004	0	0	0	0	0B	2
3	0B	0B	0 B	0.007	0.011	0.009	0.004	0	0	0	0B	0B	3
4	0B	0B	0 B	0.007	0.011	0.009	0.003	0	0	0	0B	0B	4
5	0B	0B	0 B	0.007	0.010	0.009	0.002	0	0	0	0B	0B	5
6	0B	0B	0 B	0.007	0.010	0.009	0.001	0	0	0	0B	0B	6
7	0B	0B	0 B	0.006	0.010	0.008	0	0	0	0	0B	0B	7
8	0B	0B	0 B	0.006	0.010	0.008	0	0	0	0	0B	0B	8
9	0B	0B	0 B	0.006	0.009	0.007	0	0	0	0	0B	0B	9
10	0B	0B	0.002B	0.007	0.009	0.007	0	0	0	0	0B	0B	10
11	0B	0B	0.005B	0.006	0.009	0.006	0	0	0	0	0B	0B	11
12	0B	0B	0.006B	0.006	0.009	0.006	0	0	0	0	0B	0B	12
13	0B	0B	0.002B	0.007	0.009	0.005	0	0	0	0	0B	0B	13
14	0B	0B	0.003B	0.007	0.009	0.006	0	0	0	0	0B	0B	14
15	0B	0B	0.005B	0.007	0.009	0.006	0	0	0	0	0B	0B	15
16	0B	0B	0.004B	0.007	0.009	0.007	0	0	0	0	0B	0B	16
17	0B	0B	0.005B	0.007	0.009	0.007	0	0	0	0	0B	0B	17
18	0B	0B	0.005B	0.008	0.009	0.008	0	0	0	0	0B	0B	18
19	0B	0B	0.008B	0.008	0.008	0.008	0	0	0	0	0B	0B	19
20	0B	0B	0.008B	0.008	0.008	0.008	0	0	0	0	0B	0B	20
21	0B	0B	0.008B	0.008	0.008	0.008	0	0	0	0	0B	0B	21
22	0B	0B	0.007B	0.008	0.008	0.008	0	0	0	0	0B	0B	22
23	0B	0B	0.007B	0.008	0.010	0.008	0	0	0	0	0B	0B	23
24	0B	0B	0.008B	0.008	0.013	0.010	0	0	0	0	0B	0B	24
25	0B	0B	0.008B	0.009	0.009	0.012	0	0	0	0	0B	0B	25
26	0B	0B	0.009	0.009	0.009	0.014	0	0	0	0	0B	0B	26
27	0B	0B	0.009	0.010	0.010	0.008	0	0	0	0	0B	0B	27
28	0B	0B	0.011	0.010	0.013	0.007	0	0	0	0	0B	0B	28
29	0B		0.013	0.011	0.013	0.006	0	0	0	0	0B	0B	29
30	0B		0.012	0.012	0.012	0.005	0	0	0	0	0B	0B	30
31	0B		0.009		0.012		0	0		0		0B	31
TOTAL	0	0	0.154	0.233	0.307	0.240	0.019	0	0	0	0	0	TOTAL
MEAN	0	0	0.005	0.008	0.010	0.008	0.001	0	0	0	0	0	MEAN
MAX	0	0	0.013	0.012	0.013	0.014	0.005	0	0	0	0	0	MAX
MIN	0	0	0	0.006	0.008	0.005	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.014 ON JUN 26
MINIMUM DAILY, 0B ON JAN 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 33 N
LONG 100 35 16 W
DRAINAGE AREA, 370 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1.64
FEB	0	AUG	0
MAR	13.3	SEP	0
APR	20.1	OCT	0
MAY	26.5	NOV	0
JUN	20.7	DEC	0

TOTAL DISCHARGE, 82.2 dam³

OAK RIVER NEAR BRADWARDINE - STATION NO. 05MG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.001B	0.001B	0.037B	0.135	0.009	0.003	0.016	0	0.092	0	0	0.002B	1
2	0.001B	0.001B	0.035B	0.164	0.015	0.003	0.013	0	0.060	0	0	0.001B	2
3	0.001B	0.001B	0.033B	0.088	0.008	0.002	0.009	0	0.043	0	0	0.002B	3
4	0.001B	0.001B	0.030B	0.048	0.016	0.002	0.005	0	0.033	0	0.001	0.003B	4
5	0.001B	0.001B	0.029B	0.108	0.018	0.003	0.003	0	0.026	0	0	0.002B	5
6	0.001B	0.001B	0.026B	0.106	0.009	0.002	0.001	0	0.020	0	0	0.003B	6
7	0.001B	0 B	0.021B	0.075	0.003	0.004	0.075	0	0.016	0	0	0.003B	7
8	0.001B	0 B	0.019B	0.057	0.002	0.001	0.023	0	0.013	0	0	0.002B	8
9	0.001B	0 B	0.016B	0.046	0.001	0.001	0.015	0	0.011	0	0	0.003B	9
10	0.001B	0 B	0.014B	0.033	0.001	0.001	0.009	0	0.009	0	0	0.003B	10
11	0.001B	0 B	0.015B	0.016	0.001	0.001	0.007	0	0.008	0	0	0.003B	11
12	0.001B	0 B	0.114B	0.008	0.002	0.001	0.004	0	0.006	0.003	0	0.003B	12
13	0.001B	0 B	0.239B	0.007	0.004	0.001	0.001	0	0.005	0.005	0	0.003B	13
14	0.001B	0 B	0.224B	0.004	0.004	0.001	0.001	0	0.003	0.002	0	0.003B	14
15	0.001B	0 B	0.283B	0.003	0.006	0.002	0	0	0.002	0.002	0	0.003B	15
16	0.001B	0 B	0.263B	0.004	0.006	0.001	0	0	0.002	0.003	0	0.003B	16
17	0.001B	0 B	0.263B	0.008	0.004	0.002	0	0	0.001	0.004	0	0.002B	17
18	0.001B	0 B	0.221B	0.006	0.003	0.001	0	0	0.001	0.005	0	0.002B	18
19	0.001B	0.001B	0.192B	0.001	0.001	0.001	0	0	0.001	0.006	0	0.002B	19
20	0.001B	0.005B	0.181B	0.001	0.001	0.001	0	0	0.001	0.004	0	0.002B	20
21	0.001B	0.015B	0.286B	0.002	0.001	0.001	0	0	0.001	0.002	0	0.001B	21
22	0.001B	0.030B	0.231B	0.005	0.001	0.002	0	0	0.001	0.001	0	0.001B	22
23	0.001B	0.060B	0.186B	0.003	0.001	0.013	0	0	0.001	0	0	0.001B	23
24	0.001B	0.054B	0.164B	0.004	0.002	0.013	0	0.004	0.001	0	0	0.001B	24
25	0.001B	0.048B	0.163B	0.006	0.002	0.036	0	0.011	0.001	0	0	0.001B	25
26	0.001B	0.045B	0.121B	0.006	0.001	0.033	0	0.005	0.001	0	0	0.001B	26
27	0.001B	0.042B	0.143B	0.004	0.002	0.023	0	0.002	0.001	0	0.002B	0 B	27
28	0.001B	0.040B	0.182B	0.003	0.002	0.021	0	0.011	0	0	0.008B	0 B	28
29	0.001B		0.200B	0.003	0.004	0.022	0	0.041	0	0	0.006B	0 B	29
30	0.001B		0.203	0.004	0.003	0.016	0	0.033	0	0	0.002B	0 B	30
31	0.001B		0.135		0.004		0	0.077		0		0 B	31
TOTAL	0.031	0.346	4.269	0.958	0.137	0.214	0.182	0.184	0.360	0.037	0.010	0.056	TOTAL
MEAN	0.001	0.012	0.138	0.032	0.004	0.007	0.006	0.006	0.012	0.001	0.001	0.002	MEAN
MAX	0.001	0.060	0.286	0.164	0.018	0.036	0.075	0.077	0.092	0.006	0.008	0.003	MAX
MIN	0.001	0	0.014	0.001	0.001	0.001	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.019
MAXIMUM DAILY, 0.286B ON MAR 21
MINIMUM DAILY, 0B ON FEB 7
MAXIMUM INSTANTANEOUS,
0.425 AT 11:33 CST ON JUL 7

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 30 N
LONG 100 27 46 W
DRAINAGE AREA, 1 840 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2.68	JUL	15.7
FEB	49.9	AUG	15.9
MAR	369	SEP	31.1
APR	82.8	OCT	3.20
MAY	11.8	NOV	1.64
JUN	18.5	DEC	4.84

TOTAL DISCHARGE, 587 dam³

OAK RIVER NEAR RIVERS - STATION NO. 05MG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.001B	0.068	0	0	0.004	0	0	0	0	0	1
2	0B	0 B	0.001B	0.111	0	0	0.005	0	0	0	0	0B	2
3	0B	0 B	0.001B	0.179	0	0	0.004	0	0	0	0	0B	3
4	0B	0 B	0 B	0.124	0	0	0.003	0	0	0	0	0B	4
5	0B	0 B	0 B	0.071	0	0	0.002	0	0	0	0	0B	5
6	0B	0 B	0 B	0.037	0	0	0.002	0	0	0	0	0B	6
7	0B	0 B	0.001B	0.025	0	0	0.002	0	0	0	0	0B	7
8	0B	0 B	0 B	0.021	0	0.001	0.002	0	0	0	0	0B	8
9	0B	0 B	0 B	0.011	0	0.001	0.002	0	0	0	0	0B	9
10	0B	0 B	0.002B	0.006	0	0.001	0.001	0	0	0	0	0B	10
11	0B	0 B	0.013B	0.003	0	0.001	0.001	0	0	0	0	0B	11
12	0B	0 B	0.039	0.002	0	0.001	0.001	0	0	0	0	0B	12
13	0B	0 B	0.030	0.002	0	0.001	0	0	0	0	0	0B	13
14	0B	0 B	0.029	0.001	0	0.002	0	0	0	0	0	0B	14
15	0B	0 B	0.023	0	0	0.003	0	0	0	0	0	0B	15
16	0B	0 B	0.018	0	0	0.004	0	0	0	0	0	0B	16
17	0B	0 B	0.015	0.001	0	0.005	0	0	0	0	0	0B	17
18	0B	0 B	0.232	0	0	0.007	0	0	0	0	0	0B	18
19	0B	0 B	0.299	0	0	0.006	0	0	0	0	0	0B	19
20	0B	0 B	0.254	0	0	0.006	0	0	0	0	0	0B	20
21	0B	0.001B	0.220	0	0	0.008	0	0	0	0	0	0B	21
22	0B	0.002B	0.183	0	0	0.011	0	0	0	0	0	0B	22
23	0B	0.003B	0.157	0	0	0.009	0	0	0	0	0	0B	23
24	0B	0.003B	0.135	0	0	0.011	0	0	0	0	0	0B	24
25	0B	0.002B	0.136	0	0	0.010	0	0	0	0	0	0B	25
26	0B	0.002B	0.135	0	0	0.008	0	0	0	0	0	0B	26
27	0B	0.001B	0.169	0	0	0.007	0	0	0	0	0	0B	27
28	0B	0.001B	0.110	0	0	0.006	0	0	0	0	0	0B	28
29	0B		0.083	0	0	0.006	0	0	0	0	0	0B	29
30	0B		0.091	0	0	0.005	0	0	0	0	0	0B	30
31	0B		0.057		0		0	0		0		0B	31
TOTAL	0	0.015	2.434	0.662	0	0.120	0.029	0	0	0	0	0	TOTAL
MEAN	0	0.001	0.079	0.022	0	0.004	0.001	0	0	0	0	0	MEAN
MAX	0	0.003	0.299	0.179	0	0.011	0.005	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.299 ON MAR 19
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.554 AT 11:07 CST ON MAR 19

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 23 35 W
DRAINAGE AREA, 1 160 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	2.51
FEB	1.30	AUG	0
MAR	210	SEP	0
APR	57.2	OCT	0
MAY	0	NOV	0
JUN	10.4	DEC	0

TOTAL DISCHARGE, 281 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO. 05LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	2.10B	[illegible]	3.15	0.559	0.319	0.539	0.785E	---	---	1
2	---	---	0.255B	2.00B	1.93	2.30	0.540	0.309	0.462	0.757E	---	---	2
3	---	---	0.265B	1.85B	1.86	1.74	0.485	0.251	0.336	0.721E	---	---	3
4	---	---	0.275B	1.73B	1.77	1.49	3.364	0.400	0.286	0.703E	---	---	4
5	---	---	0.284B	1.70B	1.85	1.84	0.303	0.496	0.252	0.679A	---	---	5
6	---	---	0.295B	2.50B	1.75	1.49	0.261	0.458	0.239	0.696	---	---	6
7	---	---	0.305B	3.50B	1.59	1.19	0.210	0.460	0.250	0.667	---	---	7
8	---	---	0.320B	4.00B	1.44	0.952	0.205	0.370	0.221	0.601	---	---	8
9	---	---	0.335B	4.10B	1.31	0.986	0.260	0.343	0.198	0.595	---	---	9
10	---	---	0.350B	3.00B	1.20	0.906	0.182	0.392	0.180	0.569	---	---	10
11	---	---	0.360B	3.20B	1.16	1.09	0.141	0.483	0.181	0.538	---	---	11
12	---	---	0.330B	3.40B	1.12	0.956	0.122	0.495	0.189	0.524	---	---	12
13	---	---	0.250B	2.63B	1.09	0.721	0.091	0.508	0.131	0.624	---	---	13
14	---	---	0.230B	2.35B	1.01	1.12	0.066	0.501	0.115	0.744	---	---	14
15	---	---	0.220B	2.15B	0.971	4.77	0.185	0.482	0.147	0.669	---	---	15
16	---	---	0.270B	2.13	0.945	7.09	0.395	0.458	0.171	0.604	---	---	16
17	---	---	0.300B	2.33	0.895	4.47	0.520	0.420	0.166	0.623	---	---	17
18	---	---	0.130B	2.22	0.863	10.0	0.460	0.419	0.169	0.887	---	---	18
19	---	---	0.135B	2.02	0.809	7.52	0.415	0.404	0.163	0.860	---	---	19
20	---	---	0.137B	2.01	0.765	4.53	0.400	0.361	0.173	0.793	---	---	20
21	---	---	0.143B	1.96	0.730	3.07	0.351	0.349	0.198	0.692	---	---	21
22	---	---	0.150B	2.07	0.911	2.50	0.317	0.349	0.182	0.641	---	---	22
23	---	---	0.158B	1.91	7.44	2.70	0.304	0.315	0.235	0.646	---	---	23
24	---	---	0.230B	1.76	9.11	3.54	0.324	0.310	0.266	0.624	---	---	24
25	---	---	0.320B	1.74	8.09	2.64	0.342	0.332	0.336	0.555	---	---	25
26	---	---	0.452B	1.91	6.46	1.81	0.310	0.347	0.671	0.546	---	---	26
27	---	---	0.540B	1.89	4.53	1.43	0.284	0.329	1.39	0.719	---	---	27
28	---	---	0.760B	1.90	3.34	1.07	0.257	0.287	1.11	0.646	---	---	28
29	---		1.00 B	1.84	4.94	0.899	0.230	0.237	0.814	0.632	---	---	29
30	---		1.50 B	1.85	6.51	0.688	0.246	0.217	0.836A	0.691A	---	---	30
31	---		2.00 B		4.45		0.295	0.345		0.930E		---	31
TOTAL	---	---	12.549	69.75	82.819	78.658	9.424	11.746	10.606	20.961	---	---	TOTAL
MEAN	---	---	0.405	2.33	2.67	2.62	0.304	0.379	0.354	0.676	---	---	MEAN
MAX	---	---	2.00	4.10	9.11	10.0	0.559	0.508	1.39	0.930	---	---	MAX
MIN	---	---	0.130	1.70	0.730	0.688	0.066	0.217	0.115	0.524	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.21
MAXIMUM DAILY, 10.0 ON JUN 18
MINIMUM DAILY, 0.066 ON JUL 14
MAXIMUM INSTANTANEOUS,
12.5 AT 14:40 CST ON JUN 18

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 55 N
LONG 99 46 44 W
DRAINAGE AREA, 344 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	814
FEB	---	AUG	1 010
MAR	1 080	SEP	916
APR	6 030	OCT	1 810
MAY	7 160	NOV	---
JUN	6 800	DEC	---

TOTAL DISCHARGE, 25 600 dam³

ODEI RIVER NEAR THOMPSON - STATION NO. 05TG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.2B	14.3B	10.2 B	7.06B	11.0E	70.2	34.7	37.9	10.6	8.19	26.5	8.75B	1
2	20.8B	14.1B	10.1 B	7.01B	13.0E	65.7	33.7	36.1	10.1	9.45	26.2	8.42B	2
3	20.5B	13.9B	9.90B	6.94B	15.5E	61.8	32.7	34.9	9.73	9.79	26.0	8.06B	3
4	20.4B	13.8B	9.78B	6.86B	18.8E	58.6	31.2	34.2	10.2	9.70	25.6	7.70B	4
5	20.2B	13.6B	9.66B	6.79B	22.5E	56.7	30.4	33.2	11.3	9.73	25.1	7.40B	5
6	19.8B	13.4B	9.54B	6.72B	26.5E	55.3	29.1	32.1	13.6	9.69	24.2	7.07B	6
7	19.6B	13.3B	9.45B	6.67B	32.0E	54.6	28.4	32.0	13.9	9.89	23.2	6.77B	7
8	19.5B	13.2B	9.36B	6.60B	38.0E	54.1	27.5	32.3	14.8	11.0	22.1	6.50B	8
9	19.1B	13.0B	9.24B	6.50B	46.5E	53.5	25.8	32.5	16.4	11.4	21.4	6.20B	9
10	18.9B	12.8B	9.09B	6.43B	54.5E	53.2	24.8	32.6	17.7	11.7	20.1	5.85B	10
11	18.6B	12.7B	8.97B	6.36B	64.8E	52.2	24.7	32.4	18.1	11.2	18.8	5.55B	11
12	18.3B	12.6B	8.88B	6.29B	78.0E	51.6	24.2	31.0	18.1	11.0	17.9	5.35B	12
13	18.1B	12.4B	8.76B	6.22B	92.5E	50.4	23.4	29.8	18.7	13.1	17.5	5.10B	13
14	17.8B	12.3B	8.64B	6.14B	111 E	49.2	22.5	29.0	18.8	17.0	17.1	4.88B	14
15	17.6B	12.1B	8.52B	6.05B	136 E	48.1	21.7	27.3	18.1	23.7	16.9	4.65B	15
16	17.5B	12.0B	8.40B	5.98B	163 E	47.3	20.9	25.8	17.7	31.7	16.8	4.45B	16
17	17.3B	11.8B	8.33B	5.92B	215 E	48.3	20.0	24.6	16.5	38.2	16.3	4.25B	17
18	17.1B	11.6B	8.26B	5.86B	225 E	49.5	19.3	23.4	15.4	42.7	16.0	4.05B	18
19	16.8B	11.5B	8.16B	5.80B	216 E	49.5	20.4	22.3	13.8	46.5	15.0	3.85B	19
20	16.6B	11.3B	8.06B	5.74B	205 A	48.9	20.6	20.8	12.6	48.8	14.1	3.60B	20
21	16.4B	11.2B	7.97B	5.68B	193 E	48.5	19.9	19.9	12.3	47.5	13.6	3.43B	21
22	16.2B	11.1B	7.90B	5.62B	179 E	47.9	19.3	18.9	11.5	43.0	12.4 B	3.28B	22
23	16.0B	10.9B	7.82B	5.58B	167 E	45.0	19.7	17.8	10.5	39.4	11.9 B	3.18B	23
24	15.8B	10.8B	7.73B	5.52B	152 E	44.0	28.4	16.4	10.0	38.6	11.4 B	3.04B	24
25	15.5B	10.7B	7.66B	5.46B	139 E	42.4	33.0	15.4	10.0	36.4	11.1 B	2.92B	25
26	15.4B	10.6B	7.56B	5.40B	122 A	40.9	37.2	14.5	9.65	34.2	10.6 B	2.80B	26
27	15.1B	10.5B	7.46B	5.45E	111	39.7	40.3	13.9	8.23	32.4	10.3 B	2.68B	27
28	14.9B	10.3B	7.39B	6.40E	99.9	38.3	42.1	13.0	8.69	30.4	9.88B	2.58B	28
29	14.8B		7.30B	7.50E	90.9	36.9	42.5	12.1	8.20	28.9	9.39B	2.48B	29
30	14.6B		7.22B	9.00E	82.4	35.9	41.4	11.8	7.73	28.0	9.00B	2.38B	30
31	14.4B		7.15B		75.2		39.8	11.7		27.4		2.30B	31
TOTAL	544.8	341.8	264.46	189.55	3 196.0	1 497.5	879.6	769.6	392.93	770.64	516.37	149.52	TOTAL
MEAN	17.6	12.2	8.53	6.32	103	49.9	28.4	24.8	13.1	24.9	17.2	4.82	MEAN
MAX	21.2	14.3	10.2	9.00	225	70.2	42.5	37.9	18.8	48.8	26.5	8.75	MAX
MIN	14.4	10.3	7.15	5.40	11.0	35.9	19.3	11.7	7.73	8.19	9.00	2.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.1
MAXIMUM DAILY, 225E ON MAY 18
MINIMUM DAILY, 2.30B ON DEC 31

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 45 N
LONG 97 21 23 W
DRAINAGE AREA, 6 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 100	JUL	76 000
FEB	29 500	AUG	66 500
MAR	22 800	SEP	33 900
APR	16 400	OCT	66 600
MAY	276 000	NOV	44 600
JUN	129 000	DEC	12 900

TOTAL DISCHARGE, 821 000 dam³

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO. 05LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.64B	12.6	4.30	2.51	3.87	0.503	4.34	---	---	1
2	---	---	0 B	2.30B	13.2	4.08	2.52	3.97	0.443	4.55	---	---	2
3	---	---	0 B	2.39B	13.8	3.73	2.38	3.95	0.395	4.89	---	---	3
4	---	---	0 B	2.08B	13.9	3.49	2.09	4.03	0.382	4.98	---	---	4
5	---	---	0 B	1.91B	14.2	3.26	1.72	3.86	0.364	4.94	---	---	5
6	---	---	0 B	2.33B	14.1	2.94	1.53	3.79	0.390	4.76	---	---	6
7	---	---	0 B	3.80B	14.1	2.74	1.41	3.65	0.385	4.57	---	---	7
8	---	---	0 B	4.54B	13.8	2.74	1.21	3.49	0.331	4.34	---	---	8
9	---	---	0 B	4.43B	13.0	2.80	0.973	3.22	0.364	4.44	---	---	9
10	---	---	0 B	4.06B	12.4	2.73	0.811	3.02	0.476	5.05	---	---	10
11	---	---	0.081B	3.70B	11.4	2.72	0.679	2.63	0.513	5.94	---	---	11
12	---	---	0.162B	3.18B	10.9	2.54	0.545	2.36	0.539	9.18	---	---	12
13	---	---	0.243B	2.88B	10.4	2.34	0.430	2.20	0.575	15.4	---	---	13
14	---	---	0.315B	2.68B	9.99	2.16	0.333	1.94	0.563	21.3	---	---	14
15	---	---	0.342B	2.33B	9.51	2.10	0.432	1.77	0.534	24.1	---	---	15
16	---	---	0.369B	3.04B	8.98	1.90	1.43	1.63	0.499	24.9	---	---	16
17	---	---	0.396B	4.96B	8.38	1.75	1.90	1.57	0.489	25.3	---	---	17
18	---	---	0.414B	5.91B	7.74	2.17	2.99	1.44	0.426	25.0	---	---	18
19	---	---	0.441B	7.63B	7.31	2.51	4.09	1.28	0.381	25.0	---	---	19
20	---	---	0.459B	9.18B	6.89	2.66	4.20	1.15	0.330	25.0	---	---	20
21	---	---	0.486B	9.60B	6.59	2.66	4.04	1.06	0.266	24.6	---	---	21
22	---	---	0.513B	9.88B	6.25	2.60	3.62	0.950	0.267	23.7	---	---	22
23	---	---	0.522B	11.0 B	5.89	2.79	3.46	0.867	0.315	21.8	---	---	23
24	---	---	0.540B	12.6 B	5.52	2.96	3.72	0.762	0.331	20.0	---	---	24
25	---	---	0.572B	14.1 B	5.10	2.97	3.72	0.695	0.330	16.6	---	---	25
26	---	---	0.626B	14.9	4.70	2.87	3.76	0.659	0.796	20.9	---	---	26
27	---	---	0.648B	15.0	4.37	2.91	3.87	0.666	1.37	22.8	---	---	27
28	---	---	0.670B	14.7	4.27	2.81	3.85	0.664	1.45	21.9	---	---	28
29	---		0.767B	14.0	4.41	2.83	3.72	0.622	2.55	17.4	---	---	29
30	---		0.994B	13.4	4.56	2.70	3.48	0.581	3.82	18.7	---	---	30
31	---		1.26 B		4.41		3.81	0.523		26.1		---	31
TOTAL	---	---	10.820	204.95	282.67	83.76	75.293	62.869	20.377	482.48	---	---	TOTAL
MEAN	---	---	0.349	6.83	9.12	2.79	2.43	2.03	0.679	15.6	---	---	MEAN
MAX	---	---	1.26	15.0	14.2	4.30	4.20	4.03	3.82	26.1	---	---	MAX
MIN	---	---	0	1.64	4.27	1.75	0.333	0.523	0.266	4.34	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.99
MAXIMUM DAILY, 26.1 ON OCT 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
28.7 AT 23:59 CST ON OCT 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 15 N
LONG 101 06 30 W
DRAINAGE AREA, 3 550 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 510
FEB	---	AUG	5 430
MAR	935	SEP	1 760
APR	17 700	OCT	41 700
MAY	24 900	NOV	---
JUN	7 240	DEC	---

TOTAL DISCHARGE, 106 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO. 04AA002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.307	187.265	187.242	187.201	187.144	187.344	187.446	187.466	187.390	187.213	187.271	187.359	1
2	187.311	187.268	187.242	187.189	187.138	187.358	187.443	187.476	187.387	187.207	187.280	187.368	2
3	187.309	187.264	187.245	187.189	187.152	187.342	187.444	187.469	187.387	187.197	187.278	187.362	3
4	187.309	187.258	187.257	187.194	187.153	187.348	187.443	187.459	187.393	187.194	187.286	187.368	4
5	187.306	187.253	187.262	187.188	187.144	187.341	187.460	187.461	187.377	187.189	187.294	187.378	5
6	187.315	187.248	187.266	187.178	187.150	187.343	187.458	187.473	187.368	187.192	187.293	187.384	6
7	187.312	187.254	187.248	187.186	187.140	187.340	187.448	187.464	187.370	187.192	187.296	187.383	7
8	187.309	187.256	187.242	187.183	187.157	187.340	187.464	187.467	187.360	187.184	187.331	187.379	8
9	187.314	187.245	187.244	187.182	187.170	187.342	187.480	187.462	187.356	187.172	187.346	187.370	9
10	187.312	187.267	187.238	187.174	187.157	187.344	187.496	187.474	187.347	187.168	187.339	187.371	10
11	187.312	187.262	187.242	187.167	187.167	187.341	187.511	187.479	187.339	187.171	187.336	187.367	11
12	187.311	187.263	187.249	187.167	187.170	187.353	187.498	187.467	187.331	187.167	187.336	187.373	12
13	187.321	187.262	187.236	187.171	187.176	187.351	187.504	187.474	187.326	187.182	187.331	187.370	13
14	187.310	187.252	187.226	187.165	187.188	187.348	187.497	187.483	187.320	187.193	187.332	187.379	14
15	187.309	187.239	187.234	187.155	187.203	187.342	187.493	187.471	187.319	187.194	187.332	187.370	15
16	187.308	187.232	187.236	187.161	187.210	187.349	187.491	187.475	187.317	187.196	187.335	187.371	16
17	187.306	187.226	187.233	187.166	187.227	187.334	187.483	187.463	187.314	187.192	187.334	187.374	17
18	187.298	187.221	187.237	187.155	187.234	187.363	187.484	187.461	187.298	187.224	187.339	187.370	18
19	187.304	187.210	187.240	187.161	187.248	187.378	187.479	187.451	187.292	187.222	187.339	187.378	19
20	187.303	187.216	187.232	187.153	187.256	187.373	187.477	187.444	187.243	187.222	187.352	187.375	20
21	187.290	187.211	187.229	187.151	187.263	187.379	187.482	187.436	187.219	187.224	187.341	187.372	21
22	187.288	187.223	187.229	187.155	187.264	187.398	187.476	187.428	187.212	187.223	187.341	187.379	22
23	187.291	187.220	187.236	187.150	187.270	187.410	187.472	187.409	187.220	187.228	187.343	187.376	23
24	187.291	187.225	187.212	187.139	187.274	187.430	187.479	187.416	187.240	187.221	187.347	187.370	24
25	187.291	187.231	187.209	187.140	187.286	187.424	187.484	187.417	187.235	187.238	187.352	187.373	25
26	187.292	187.225	187.216	187.148	187.300	187.428	187.481	187.406	187.138	187.245	187.353	187.375	26
27	187.287	187.230	187.206	187.141	187.301	187.442	187.482	187.406	187.209	187.250	187.358	187.373	27
28	187.283	187.227	187.215	187.141	187.292	187.435	187.477	187.394	187.224	187.238	187.359	187.373	28
29	187.279		187.205	187.128	187.316	187.438	187.468	187.398	187.219	187.241	187.365	187.376	29
30	187.269		187.205	187.133	187.354	187.433	187.469	187.380	187.210	187.246	187.364	187.377	30
31	187.272		187.202		187.353		187.468	187.376		187.260		187.376	31
MEAN	187.301	187.241	187.232	187.164	187.221	187.373	187.475	187.445	187.299	187.209	187.330	187.373	MEAN
MAX	187.321	187.268	187.266	187.201	187.354	187.442	187.511	187.483	187.393	187.260	187.365	187.384	MAX
MIN	187.269	187.210	187.202	187.128	187.138	187.334	187.443	187.376	187.138	187.167	187.271	187.359	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MEAN, 187.306
MAXIMUM DAILY, 187.511 ON JUL 11
MINIMUM DAILY, 187.128 ON APR 29
MAXIMUM INSTANTANEOUS,
187.511 AT 20:48 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 57 10 N
LONG 95 16 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183.565 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

OXTAIL CREEK NEAR CYPRESS RIVER - STATION NO. 05MH012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.029B	0.001	0.027	0.062	0	0.062	0.031	---	---	1
2	---	---	0.002B	0.032B	0.012	0.024	0.048	0	0.053	0.031	---	---	2
3	---	---	0.001B	0.021	0.033	0.019	0.041	0	0.046	0.032	---	---	3
4	---	---	0 B	0.015	0.043	0.015	0.037	0	0.043	0.035	---	---	4
5	---	---	0 B	0.012	0.043	0.012	0.032	0	0.039	0.036	---	---	5
6	---	---	0 B	0.010	0.043	0.008	0.027	0	0.055	0.034	---	---	6
7	---	---	0 B	0.014	0.043	0.005	0.022	0.014	0.076	0.035	---	---	7
8	---	---	0 B	0.017	0.041	0.002	0.016	0.040	0.065	0.037	---	---	8
9	---	---	0.001B	0.018	0.038	0.001	0.008	0.035	0.087	0.035	---	---	9
10	---	---	0.005B	0.017	0.036	0	0.008	0.034	0.087	0.035	---	---	10
11	---	---	0.019B	0.016	0.039	0	0.001	0.032	0.075	0.034	---	---	11
12	---	---	0.028B	0.017	0.039	0	0	0.027	0.065	0.033	---	---	12
13	---	---	0.061B	0.017	0.037	0	0	0.023	0.058	0.035	---	---	13
14	---	---	0.139B	0.017	0.036	0	0	0.016	0.053	0.035	---	---	14
15	---	---	0.231B	0.018	0.033	0	0	0.009	0.050	0.033	---	---	15
16	---	---	0.326B	0.020	0.030	B	B	0.004	0.047	0.032	---	---	16
17	---	---	0.294B	0.021	0.027	B	B	0.001	0.046	0.032	---	---	17
18	---	---	0.247B	0.020	0.024	B	B	0	0.043	0.032	---	---	18
19	---	---	0.208B	0.017	0.020	B	B	0	0.041	0.030	---	---	19
20	---	---	0.173B	0.014	0.015	B	B	0	0.041	0.030	---	---	20
21	---	---	0.136B	0.011	0.010	0	0	0	0.041	0.031	---	---	21
22	---	---	0.103B	0.008	0.006	0	0	0	0.044	0.034	---	---	22
23	---	---	0.076B	0.005	0.005	0	0	0.001	0.040	0.034	---	---	23
24	---	---	0.061B	0.004	0.004	0.039	0	0.123	0.035	0.034	---	---	24
25	---	---	0.043B	0.003	0.003	0.078	0	0.122	0.034	0.034	---	---	25
26	---	---	0.037B	0.002	0.013	0.110	0	0.176	0.037	0.035	---	---	26
27	---	---	0.029B	0.001	0.034	0.143	0	0.152	0.038	0.035	---	---	27
28	---	---	0.037B	0	0.039	0.114	0	0.121	0.035	0.030	---	---	28
29	---		0.039B	0	0.038	0.111	0	0.095	0.033	0.028	---	---	29
30	---		0.043B	0	0.035	0.084	0	0.076	0.032	0.026	---	---	30
31	---		0.027B		0.032		0	0.068		0.025		---	31
TOTAL	---	---	2.368	0.396	0.852	0.792	0.298	1.169	1.500	1.013	---	---	TOTAL
MEAN	---	---	0.076	0.013	0.027	0.026	0.010	0.038	0.050	0.033	---	---	MEAN
MAX	---	---	0.326	0.032	0.043	0.143	0.062	0.176	0.087	0.037	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0.032	0.025	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.034
MAXIMUM DAILY, 0.326B ON MAR 16
MINIMUM DAILY, 0B ON MAR 4
MAXIMUM INSTANTANEOUS,
0.390 AT 12:06 CST ON MAR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 99 09 20 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25.7
FEB	---	AUG	101
MAR	205	SEP	130
APR	34.2	OCT	87.5
MAY	73.6	NOV	---
JUN	68.4	DEC	---

TOTAL DISCHARGE, 725 dam³

PANSY DRAIN NEAR SARTO - STATION NO. 05OE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0.004	---	---	---	---	---	---	1
2	---	---	0 B	0	0	0.002	---	---	---	---	---	---	2
3	---	---	0 B	0	0	0.001	---	---	---	---	---	---	3
4	---	---	0 B	0	0	0.001	---	---	---	---	---	---	4
5	---	---	0 B	0	0	0.002	---	---	---	---	---	---	5
6	---	---	0 B	0	0	0.001	---	---	---	---	---	---	6
7	---	---	0 B	0	0	0.001	---	---	---	---	---	---	7
8	---	---	0 B	0	0	0	---	---	---	---	---	---	8
9	---	---	0.001B	0	0	0	---	---	---	---	---	---	9
10	---	---	0.001B	0	0	0	---	---	---	---	---	---	10
11	---	---	0.002B	0	0	0	---	---	---	---	---	---	11
12	---	---	0.002B	0	0	0	---	---	---	---	---	---	12
13	---	---	0.002B	0	0	0	---	---	---	---	---	---	13
14	---	---	0.003B	0	0	0	---	---	---	---	---	---	14
15	---	---	0.003B	0	0	0	---	---	---	---	---	---	15
16	---	---	0.004B	0	0	0	---	---	---	---	---	---	16
17	---	---	0.002B	0	0	0	---	---	---	---	---	---	17
18	---	---	0.001B	0	0	0	---	---	---	---	---	---	18
19	---	---	0.001B	0	0	0	---	---	---	---	---	---	19
20	---	---	0.001B	0	0	0	---	---	---	---	---	---	20
21	---	---	0.001B	0	0	0	---	---	---	---	---	---	21
22	---	---	0.001B	0	0	0	---	---	---	---	---	---	22
23	---	---	0.001	0	0	0	---	---	---	---	---	---	23
24	---	---	0.001	0	0.002	0	---	---	---	---	---	---	24
25	---	---	0.001	0	0.008	0	---	---	---	---	---	---	25
26	---	---	0.001	0	0.014	0	---	---	---	---	---	---	26
27	---	---	0.001	0	0.010	0	---	---	---	---	---	---	27
28	---	---	0.001	0	0.006	0	---	---	---	---	---	---	28
29	---		0.001	0	0.013	0	---	---	---	---	---	---	29
30	---		0.001	0	0.015	0	---	---	---	---	---	---	30
31	---		0.001		0.013		---	---		---		---	31
TOTAL	---	---	0.034	0	0.081	0.012	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.001	0	0.003	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.004	0	0.015	0.004	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.015 ON MAY 30
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.016 AT 19:05 CST ON MAY 29

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 96 43 53 W
DRAINAGE AREA, 39.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2.94	SEP	---
APR	0	OCT	---
MAY	7.00	NOV	---
JUN	1.04	DEC	---

TOTAL DISCHARGE, 11.0 dam³

PARTRIDGE CREEK NEAR ST. MARTIN - STATION NO. 05LM002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	244.366	243.913	243.886	---	---	---	---	---	---	1
2	---	---	---	244.303	243.926	243.898	---	---	---	---	---	---	2
3	---	---	---	244.241	243.887	243.907	---	---	---	---	---	---	3
4	---	---	---	244.206	243.892	243.925	---	---	---	---	---	---	4
5	---	---	244.339A	244.181	243.909	243.909	---	---	---	---	---	---	5
6	---	---	---	244.127	243.910	243.903	---	---	---	---	---	---	6
7	---	---	---	244.101	243.909	243.897	---	---	---	---	---	---	7
8	---	---	---	244.056	243.847	243.883	---	---	---	---	---	---	8
9	---	---	---	244.023	243.847	243.866	---	---	---	---	---	---	9
10	---	---	---	243.994	243.884	243.873	---	---	---	---	---	---	10
11	---	---	---	243.957	243.884	243.863	---	---	---	---	---	---	11
12	---	---	244.484A	243.942	243.893	243.873	---	---	---	---	---	---	12
13	---	---	---	243.922	243.897	243.832	---	---	---	---	---	---	13
14	---	---	---	243.910	243.915	243.832	---	---	---	---	---	---	14
15	---	---	---	243.921	243.839	243.855	---	---	---	---	---	---	15
16	---	---	---	243.912	243.837	243.863	---	---	---	---	---	---	16
17	---	---	---	243.865	243.829	243.907	---	---	---	---	---	---	17
18	---	---	---	243.870	243.858	243.995	---	---	---	---	---	---	18
19	---	---	---	243.874	243.898	244.089	---	---	---	---	---	---	19
20	---	---	---	243.890	243.931	244.095	---	---	---	---	---	---	20
21	---	---	---	243.913	243.947	244.119	---	---	---	---	---	---	21
22	---	---	---	243.893	243.879	244.116	---	---	---	---	---	---	22
23	---	---	---	243.885	243.862	244.095	---	---	---	---	---	---	23
24	---	---	---	243.885	243.869	244.117	---	---	---	---	---	---	24
25	---	---	---	243.901	243.860	244.098	---	---	---	---	---	---	25
26	---	---	---	243.916	243.874	244.080	---	---	---	---	---	---	26
27	---	---	244.750	243.918	243.898	244.074	---	---	---	---	---	---	27
28	---	---	244.797	243.918	243.923	244.055	---	---	---	---	---	---	28
29	---		244.798	243.908	243.867	244.044	---	---	---	---	---	---	29
30	---		244.655	243.891	243.884	244.052	---	---	---	---	---	---	30
31	---		244.512		243.885		---	---		---		---	31
MEAN	---	---	---	243.990	243.885	243.967	---	---	---	---	---	---	MEAN
MAX	---	---	---	244.366	243.947	244.119	---	---	---	---	---	---	MAX
MIN	---	---	---	243.865	243.829	243.832	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 244.798 ON MAR 29

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 30 N
LONG 98 39 30 W

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA,
104 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PELICAN CREEK NEAR BIRNIE - STATION NO. 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.007B	0.092	0.017	0.027	0.004	0.001	0	0	---	---	1
2	---	0 B	0.007B	0.118	0.017	0.023	0.003	0.001	0	0	---	---	2
3	---	0 B	0.007B	0.089	0.017	0.019	0.002	0.001	0	0	---	---	3
4	---	0 B	0.007B	0.076	0.017	0.019	0.002	0.001	0	0	---	---	4
5	---	0 B	0.007B	0.092	0.014	0.024	0.002	0.001	0	0	---	---	5
6	---	0 B	0.007B	0.088	0.014	0.019	0.002	0.001	0	0	---	---	6
7	---	0 B	0.007B	0.078	0.014	0.016	0.002	0.001	0	0	---	---	7
8	---	0 B	0.006B	0.061	0.013	0.014	0.002	0	0	0	---	---	8
9	---	0 B	0.006B	0.063	0.012	0.013	0.001	0	0	0	---	---	9
10	---	0 B	0.006B	0.066	0.012	0.013	0.001	0	0	0	---	---	10
11	---	0 B	0.008B	0.055	0.013	0.012	0.001	0	0	0	---	---	11
12	---	0 B	0.009B	0.059	0.013	0.011	0.001	0	0	0.002	---	---	12
13	---	0 B	0.010B	0.041	0.013	0.011	0.001	0	0	0.002	---	---	13
14	---	0 B	0.011B	0.045	0.013	0.015	0.001	0	0	0.001	---	---	14
15	---	0 B	0.011B	0.035	0.014	0.027	0.002	0	0	0.001	---	---	15
16	---	0.001B	0.009B	0.042	0.015	0.024	0.002	0	0	0	---	---	16
17	---	0.002B	0.007B	0.049	0.015	0.021	0.001	0	0	0.001	---	---	17
18	---	0.002B	0.005B	0.033	0.016	0.025	0.001	0	0	0	---	---	18
19	---	0.003B	0.004B	0.029	0.017	0.020	0.001	0	0	0	---	---	19
20	---	0.005B	0.003B	0.027	0.017	0.014	0.001	0	0	0.006	---	---	20
21	---	0.006B	0.002B	0.033	0.016	0.010	0.001	0	0	0.012	---	---	21
22	---	0.007B	0.002B	0.036	0.017	0.011	0.001	0	0	0.013	---	---	22
23	---	0.008B	0.002B	0.030	0.019	0.011	0.001	0	0	0.013	---	---	23
24	---	0.008B	0.002B	0.027	0.019	0.015	0.001	0	0	0.014	---	---	24
25	---	0.008B	0.002B	0.029	0.020	0.009	0.001	0	0	0.014	---	---	25
26	---	0.008B	0.004B	0.027	0.020	0.006	0.001	0	0.001	0.013	---	---	26
27	---	0.008B	0.012B	0.027	0.018	0.004	0.001	0	0	0.012	---	---	27
28	---	0.008B	0.018B	0.023	0.016	0.006	0.001	0	0	0.012	---	---	28
29	---		0.027B	0.021	0.038	0.006	0	0	0	0.012	---	---	29
30	---		0.042E	0.019	0.039	0.004	0.001	0	0	0.012	---	---	30
31	---		0.090A		0.032		0.001	0		0.012		---	31
TOTAL	---	0.074	0.347	1.510	0.547	0.449	0.043	0.007	0.001	0.152	---	---	TOTAL
MEAN	---	0.003	0.011	0.050	0.018	0.015	0.001	0	0	0.005	---	---	MEAN
MAX	---	0.008	0.090	0.118	0.039	0.027	0.004	0.001	0.001	0.014	---	---	MAX
MIN	---	0	0.002	0.019	0.012	0.004	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.118 ON APR 2
MINIMUM DAILY, 0 ON JUL 29
MAXIMUM INSTANTANEOUS,
0.135 AT 16:27 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 35 N
LONG 99 29 05 W
DRAINAGE AREA, 9.07 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.77
FEB	6.39	AUG	0.60
MAR	30.0	SEP	0.09
APR	130	OCT	13.1
MAY	47.3	NOV	---
JUN	38.8	DEC	---

TOTAL DISCHARGE, 264 dam³

PELICAN LAKE NEAR NINETTE - STATION NO. 05OA802

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	411.237E	411.245E	411.251	411.270	411.196	411.166E	411.182	411.073	411.141E	411.048E	411.044	411.029E	1
2	411.237E	411.245E	411.251E	411.268E	411.196E	411.166	411.181E	411.119	411.148	411.048E	411.044	411.029E	2
3	411.238	411.245	411.252	411.267	411.196	411.167	411.180E	411.119	411.127E	411.049	411.042	411.030	3
4	411.238E	411.243E	411.244E	411.268	411.196	411.169	411.180	411.127	411.107	411.051E	411.031E	411.030E	4
5	411.238E	411.241	411.236	411.267E	411.203E	411.170E	411.179	411.117	411.107E	411.054	411.020	411.030	5
6	411.238E	411.241E	411.252	411.267E	411.210E	411.172	411.178	411.101	411.106E	411.058	411.034	411.030E	6
7	411.238	411.241	411.252E	411.267	411.218	411.172E	411.176	411.126	411.106E	411.056	411.032	411.031	7
8	411.237E	411.241E	411.252	411.258E	411.181	411.173	411.162E	411.126	411.106	411.054E	411.032	411.030E	8
9	411.236E	411.241E	411.244E	411.250	411.181	411.170E	411.148	411.127	411.103	411.053E	411.031	411.030E	9
10	411.236E	411.241	411.236	411.246E	411.179E	411.167E	411.137E	411.129	411.108	411.052	411.030	411.030	10
11	411.235E	411.241E	411.240E	411.242	411.178	411.164	411.127	411.122	411.096	411.050	411.029	411.030E	11
12	411.234E	411.242E	411.245E	411.241E	411.175E	411.157	411.129E	411.120	411.089	411.050E	411.024	411.030	12
13	411.233E	411.242E	411.250E	411.241	411.172E	411.160	411.132	411.115	411.087	411.051	411.022E	411.030E	13
14	411.233	411.243	411.255	411.241E	411.169E	411.159E	411.131E	411.111	411.083	411.052E	411.020	411.030E	14
15	411.234E	411.244E	411.256E	411.241	411.166E	411.159	411.130	411.111	411.076	411.054	411.020E	411.030	15
16	411.235	411.245	411.257E	411.240E	411.163	411.162E	411.128	411.109	411.073	411.053E	411.020	411.029E	16
17	411.235	411.246E	411.259	411.240	411.163E	411.165	411.127E	411.101	411.067	411.052E	411.019E	411.029	17
18	411.237E	411.247	411.259E	411.241	411.163	411.167	411.126	411.098	411.060	411.052	411.019	411.029E	18
19	411.240	411.249E	411.259	411.234E	411.162E	411.167	411.123	411.096	411.063	411.052	411.019	411.029	19
20	411.239E	411.250E	411.259E	411.227E	411.162	411.173E	411.123	411.091	411.059	411.054	411.019E	411.029E	20
21	411.238	411.252	411.260	411.220	411.162E	411.180	411.123	411.083	411.057	411.051	411.019	411.030	21
22	411.235	411.252E	411.261E	411.220E	411.162	411.187	411.119	411.080	411.053E	411.051E	411.019	411.029E	22
23	411.236E	411.252	411.262	411.220	411.163	411.187	411.117	411.122	411.050	411.052	411.021E	411.028	23
24	411.238	411.250	411.262E	---	411.165E	411.186	411.114	411.129	411.050	411.051E	411.023E	411.028E	24
25	411.240E	411.250E	411.262E	---	411.167E	411.186	411.101	411.131	411.050	411.051	411.025	411.029E	25
26	411.242	411.251	411.262	---	411.170	411.186E	411.089	411.126	411.049E	411.051E	411.021	411.030	26
27	411.242E	411.251E	411.262E	---	411.169E	411.187	411.085	411.116	411.049	411.052	411.021	411.030	27
28	411.242	411.252	411.262	---	411.168E	411.187	411.082	411.121E	411.048E	411.053	411.021	411.031E	28
29	411.243E		411.264E	411.208	411.167	411.186	411.079	411.126	411.048E	411.047	411.025E	411.031E	29
30	411.244E		411.266E	411.206	411.167	411.184	411.076	411.126	411.048	411.048	411.029	411.032E	30
31	411.245		411.268E		411.167		411.073	411.133E		411.047		411.033	31
MEAN	411.238	411.246	411.255	---	411.176	411.173	411.130	411.110	411.080	411.052	411.026	411.030	MEAN
MAX	411.245	411.252	411.268	---	411.218	411.187	411.182	411.133	411.148	411.058	411.044	411.033	MAX
MIN	411.233	411.241	411.236	---	411.162	411.157	411.073	411.073	411.048	411.047	411.019	411.028	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 411.270 ON APR 1
MINIMUM DAILY, 411.019E ON NOV 17

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 99 36 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

E - ESTIMATED

REGULATED

DRAINAGE AREA,
461 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO. 05OA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.007B	0.183B	0.451	0.170	0.406	0.551	0.010	0.044	0.054	---	---	1
2	---	0.007B	0.157B	0.533	0.235	0.336	0.607	0.009	0.027	0.048	---	---	2
3	---	0.007B	0.142B	0.492	0.357	0.274	0.634	0.019	0.011	0.045	---	---	3
4	---	0.007B	0.132B	0.446	0.359	0.243	0.484	0.023	0.010	0.044	---	---	4
5	---	0.007B	0.121B	0.416	0.361	0.212	0.328	0.039	0.013	0.049	---	---	5
6	---	0.007B	0.132B	0.381	0.316	0.164	0.222	0.531	0.049	0.048	---	---	6
7	---	0.007B	0.137B	0.333	0.274	0.139	0.143	0.600	0.106	0.053	---	---	7
8	---	0.007B	0.166B	0.302	0.233	0.107	0.106	0.400	0.151	0.057	---	---	8
9	---	0.007B	0.193B	0.278	0.208	0.083	0.061	0.255	0.144	0.062	---	---	9
10	---	0.007B	0.222B	0.250	0.187	0.066	0.051	0.187	0.112	0.067	---	---	10
11	---	0.007B	0.260B	0.217	0.188	0.058	0.045	0.133	0.071	0.067	---	---	11
12	---	0.007B	0.315B	0.207	0.175	0.055	0.040	0.077	0.066	0.063	---	---	12
13	---	0.007B	0.347B	0.197	0.160	0.051	0.034	0.051	0.064	0.059	---	---	13
14	---	0.007B	0.408B	0.173	0.143	0.049	0.047	0.034	0.049	0.056	---	---	14
15	---	0.008B	0.490B	0.177	0.127	0.046	0.041	0.024	0.029	0.052	---	---	15
16	---	0.009B	0.569B	0.123	0.120	0.041	0.031	0.017	0.024	0.049	---	---	16
17	---	0.010B	0.741B	0.086	0.112	0.042	0.031	0.015	0.029	0.056	---	---	17
18	---	0.014B	0.859B	0.066	0.099	0.052	0.038	0.012	0.031	0.060	---	---	18
19	---	0.022B	0.734B	0.062	0.090	0.038	0.027	0.010	0.030	0.059	---	---	19
20	---	0.052B	0.704B	0.060	0.072	0.030	0.024	0.009	0.036	0.051	---	---	20
21	---	0.641B	0.469A	0.074	0.059	0.055	0.021	0.009	0.044	0.046	---	---	21
22	---	1.73 B	0.427A	0.126	0.061	0.230	0.018	0.008	0.047	0.048	---	---	22
23	---	3.05 B	0.406A	0.142	0.167	0.301	0.020	0.025	0.052	0.046	---	---	23
24	---	1.56 B	0.272A	0.138	0.169	0.381	0.022	0.070	0.051	0.045	---	---	24
25	---	0.877B	0.329	0.149	0.189	0.528	0.018	0.080	0.052	0.044	---	---	25
26	---	0.585B	0.260	0.138	0.200	0.475	0.016	0.067	0.056	0.047	---	---	26
27	---	0.389B	0.298	0.126	0.389	0.510	0.016	0.104	0.056	0.044	---	---	27
28	---	0.268B	0.357	0.134	0.695	0.655	0.010	0.131	0.058	0.048	---	---	28
29	---		0.337	0.131	0.687	0.663	0.009	0.116	0.053	0.047	---	---	29
30	---		0.376	0.178	0.584	0.603	0.010	0.083	0.055	0.047	---	---	30
31	---		0.434		0.495		0.011	0.060		0.045		---	31
TOTAL	---	9.313	10.977	6.586	7.681	6.893	3.716	3.208	1.620	1.606	---	---	TOTAL
MEAN	---	0.333	0.354	0.220	0.248	0.230	0.120	0.103	0.054	0.052	---	---	MEAN
MAX	---	3.05	0.859	0.533	0.695	0.663	0.634	0.600	0.151	0.067	---	---	MAX
MIN	---	0.007	0.121	0.060	0.059	0.030	0.009	0.008	0.010	0.044	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.173
MAXIMUM DAILY, 3.859B ON MAR 18
MINIMUM DAILY, 0.008 ON AUG 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 99 27 44 W
DRAINAGE AREA, 544 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	321
FEB	805	AUG	277
MAR	948	SEP	140
APR	569	OCT	139
MAY	664	NOV	---
JUN	596	DEC	---

TOTAL DISCHARGE, 3 650 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

PEMBINA RIVER AT NECHE - STATION NO. 05OC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.057B	0.025B	1.47	7.39	5.55	2.83	1.36	0.510	0.266	0.266	0.481	0.198B	1
2	0.057B	0.025B	2.78	6.23	5.35	2.69	1.25	0.481	0.235	0.266	0.481	0.184B	2
3	0.057B	0.025B	2.83	6.74	5.27	2.61	1.16	0.425	0.204	0.283	0.481	0.156B	3
4	0.057B	0.025B	2.07	6.63	5.15	2.52	1.10	0.425	0.190	0.283	0.481	0.142B	4
5	0.057B	0.025B	1.90	6.14	4.96	2.44	1.05	0.453	0.144	0.340	0.481	0.142B	5
6	0.057B	0.025B	1.61	5.95	4.59	2.35	0.963	0.481	0.144	0.425	0.453	0.142B	6
7	0.057B	0.025B	1.30	5.83	4.30	2.27	0.934	0.481	0.204	0.425	0.453	0.142B	7
8	0.057B	0.025B	1.25	5.83	4.11	2.12	0.934	0.481	0.204	0.368	0.425	0.142B	8
9	0.057B	0.023B	1.25	5.83	4.02	1.98	0.878	0.595	0.204	0.340	0.266	0.127B	9
10	0.057B	0.017B	1.16	5.83	4.02	1.90	0.736	0.736	0.190	0.340	0.266	0.127B	10
11	0.057B	0.014B	1.16	5.83	3.85	1.84	0.651	0.708	0.190	0.283	0.283	0.127B	11
12	0.057B	0.011B	1.10	5.83	3.77	1.84	0.651	0.595	0.176	0.368	0.283B	0.113B	12
13	0.042B	0.011B	1.10	5.83	3.51	1.84	0.651	0.481	0.176	0.481	0.283B	0.113B	13
14	0.028B	0.010B	1.47	5.95	3.43	1.84	0.651	0.396	0.159	0.453	0.283B	0.113B	14
15	0.028B	0.010B	3.17	6.14	3.26	1.84	0.651	0.283	0.159	0.510	0.283B	0.099B	15
16	0.028B	0.010B	4.02	6.23	3.09	1.84	0.651	0.283	0.144	0.595	0.283B	0.099B	16
17	0.028B	0.010B	4.02	6.54	3.00	1.76	0.651	0.283	0.130	0.595	0.283B	0.099B	17
18	0.028B	0.010B	3.94	6.54	2.92	1.76	0.651	0.283	0.116	0.595	0.283B	0.085B	18
19	0.028B	0.010B	3.94	6.63	2.69	1.70	0.651	0.283	0.116	0.510	0.283B	0.085B	19
20	0.028B	0.042B	4.02	6.63	2.52	1.61	0.736	0.283	0.116	0.453	0.283B	0.085B	20
21	0.027B	2.18 B	3.94	6.74	2.52	1.56	0.793	0.235	0.116	0.425	0.283B	0.071B	21
22	0.025B	2.61 B	3.94	6.74	2.52	1.47	0.850	0.235	0.116	0.425	0.255B	0.071B	22
23	0.025B	2.78 B	4.02	6.74	2.52	1.47	0.793	0.481	0.116	0.283	0.255B	0.071B	23
24	0.025B	2.92 B	4.02	6.74	2.44	1.47	0.793	0.481	0.159	0.235	0.255B	0.071B	24
25	0.025B	1.98 B	4.30	6.54	4.59	1.42	0.736	0.425	0.176	0.235	0.241B	0.071B	25
26	0.025B	2.27	4.47	6.23	6.46	1.42	0.708	0.340	0.204	0.235	0.227B	0.057B	26
27	0.025B	3.26	4.47	5.83	5.35	1.36	0.708	0.266	0.266	0.340	0.227B	0.057B	27
28	0.025B	1.56	4.47	5.83	4.39	1.36	0.651	0.266	0.235	0.453	0.212B	0.057B	28
29	0.025B		4.96	5.83	3.77	1.36	0.651	0.266	0.235	0.453	0.198B	0.057B	29
30	0.025B		7.05	5.66	3.43	1.36	0.566	0.235	0.235	0.481	0.198B	0.057B	30
31	0.025B		7.28		3.09		0.566	0.235		0.481		0.051B	31
TOTAL	1.199	19.938	98.48	187.43	120.44	55.83	24.775	12.411	5.325	12.225	9.449	3.211	TOTAL
MEAN	0.039	0.712	3.18	6.25	3.89	1.86	0.799	0.400	0.178	0.394	0.315	0.104	MEAN
MAX	0.057	3.26	7.28	7.39	6.46	2.83	1.36	0.736	0.266	0.595	0.481	0.198	MAX
MIN	0.025	0.010	1.10	5.66	2.44	1.36	0.566	0.235	0.116	0.235	0.198	0.051	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.51
MAXIMUM DAILY, 7.39 ON APR 1
MINIMUM DAILY, 0.010B ON FEB 14
MAXIMUM INSTANTANEOUS,
8.07 AT 12:00 CST ON APR 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA, 8 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	104	JUL	2 140
FEB	1 720	AUG	1 070
MAR	8 510	SEP	460
APR	16 200	OCT	1 060
MAY	10 400	NOV	816
JUN	4 820	DEC	277

TOTAL DISCHARGE, 47 600 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO. 05OB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.001B	0.013B	0.409B	11.7	0.210	0.221	0.098	0.057	0.053	0.032	0.058	0.058B	1
2	0.001B	0.013B	0.402B	11.2	0.198	0.190	0.068	0.044	0.047	0.018	0.061A	0.058B	2
3	0.001B	0.014B	0.398B	10.7	0.187	0.197	0.058	0.051	0.026	0.019	0.061E	0.058B	3
4	0.002B	0.014B	0.395B	10.0	0.172	0.138	0.050	0.052	0.033	0.038	0.061E	0.057B	4
5	0.002B	0.014B	0.409B	9.42	0.156	0.110	0.049	0.058	0.027	0.043	0.061E	0.057B	5
6	0.003B	0.015B	0.424B	9.01	0.165	0.086	0.042	0.057	0.082	0.049	0.061E	0.057B	6
7	0.003B	0.015B	0.446B	8.80	0.170	0.070	0.042	0.036	0.115	0.041	0.061E	0.057B	7
8	0.004B	0.015B	0.611B	8.01	0.168	0.062	0.033	0.025	0.173	0.046	0.060B	0.056B	8
9	0.004B	0.016B	0.947B	6.80	0.152	0.063	0.029	0.020	0.165	0.056	0.060B	0.054B	9
10	0.005B	0.016B	1.45 B	6.52	0.145	0.060	0.026	0.015	0.120	0.056	0.060B	0.053B	10
11	0.005B	0.016B	2.23 B	5.55	0.146	0.049	0.031	0.010	0.075	0.057	0.060B	0.052B	11
12	0.006B	0.017B	3.22 B	5.03	0.145	0.050	0.029	0.007	0.075	0.067	0.060B	0.050B	12
13	0.006B	0.017B	4.40 B	4.83	0.153	0.058	0.039	0.008	0.051	0.086	0.060B	0.049B	13
14	0.007B	0.017B	5.58 B	4.41	0.168	0.060	0.042	0.010	0.045	0.107	0.060B	0.048B	14
15	0.007B	0.018B	7.09 B	4.16	0.170	0.106	0.039	0.012	0.033	0.084	0.060B	0.046B	15
16	0.008B	0.018B	6.79 B	4.02	0.160	0.082	0.039	0.019	0.039	0.058	0.060B	0.045B	16
17	0.008B	0.018B	5.82 A	3.84	0.145	0.095	0.037	0.026	0.027	0.073	0.059B	0.044B	17
18	0.009B	0.018B	5.40 A	3.23	0.145	0.087	0.033	0.039	0.024	0.095	0.059B	0.043B	18
19	0.009B	0.030B	4.90 A	2.88	0.135	0.096	0.033	0.042	0.024	0.086	0.059B	0.041B	19
20	0.010B	0.041B	4.76 A	2.77	0.121	0.082	0.033	0.049	0.022	0.091	0.059B	0.040B	20
21	0.010B	0.053B	4.64	2.64	0.124	0.097	0.030	0.057	0.007	0.056	0.059B	0.039B	21
22	0.010B	0.064B	4.47	2.76	0.133	0.107	0.026	0.019	0.006	0.038	0.059B	0.037B	22
23	0.010B	0.076B	4.42	2.73	0.170	0.116	0.030	0.153	0.007	0.046	0.059B	0.036B	23
24	0.010B	0.088B	4.43	2.59	0.179	0.124	0.059	0.110	0.006	0.048	0.059B	0.035B	24
25	0.011B	0.088B	4.54	2.12	0.357	0.115	0.047	0.050	0.006	0.046	0.058B	0.033B	25
26	0.011B	0.097B	4.60	0.669	0.353	0.127	0.040	0.057	0.016	0.058	0.058B	0.032B	26
27	0.011B	0.165B	4.35	0.442	0.302	0.147	0.037	0.080	0.022	0.050	0.058B	0.031B	27
28	0.012B	0.308B	4.52	0.332	0.242	0.108	0.038	0.060	0.028	0.044	0.058B	0.029B	28
29	0.012B		4.57	0.292	0.293	0.093	0.034	0.038	0.022	0.046	0.058B	0.028B	29
30	0.012B		6.55	0.253	0.298	0.104	0.047	0.031	0.023	0.052	0.058B	0.027B	30
31	0.013B		12.0		0.272		0.066	0.052		0.054		0.025B	31
TOTAL	0.223	1.294	115.171	147.708	5.934	3.100	1.304	1.344	1.399	1.740	1.784	1.375	TOTAL
MEAN	0.007	0.046	3.72	4.92	0.191	0.103	0.042	0.043	0.047	0.056	0.059	0.044	MEAN
MAX	0.013	0.308	12.0	11.7	0.357	0.221	0.098	0.153	0.173	0.107	0.061	0.058	MAX
MIN	0.001	0.013	0.395	0.253	0.121	0.049	0.026	0.007	0.006	0.018	0.058	0.025	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.774
MAXIMUM DAILY, 12.0 ON MAR 31
MINIMUM DAILY, 0.001B ON JAN 1
MAXIMUM INSTANTANEOUS,
12.1 AT 12:53 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 99 02 03 W
DRAINAGE AREA, 4 480 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19.3	JUL	113
FEB	112	AUG	116
MAR	9 950	SEP	121
APR	12 800	OCT	150
MAY	513	NOV	154
JUN	268	DEC	119

TOTAL DISCHARGE, 24 400 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO. 05OA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.514B	0.438	0.093	0.256	0.457	0.005	0.030	0.009	---	---	1
2	---	0 B	0.258B	0.389	0.096	0.250	0.247	0.006	0.030	0.010	---	---	2
3	---	0 B	0.142B	0.365	0.093	0.231	0.175	0.152	0.028	0.011	---	---	3
4	---	0 B	0.101B	0.320	0.084	0.222	0.127	0.698	0.026	0.014	---	---	4
5	---	0 B	0.079B	0.271	0.074	0.230	0.106	0.169	0.022	0.013	---	---	5
6	---	0 B	0.058B	0.264	0.067	0.232	0.081	0.109	0.031	0.014	---	---	6
7	---	0 B	0.053B	0.254	0.065	0.231	0.062	0.079	0.032	0.015	---	---	7
8	---	0 B	0.061B	0.202	0.061	0.215	0.050	0.063	0.030	0.014	---	---	8
9	---	0 B	0.065B	0.203	0.056	0.204	0.039	0.050	0.029	0.015	---	---	9
10	---	0 B	0.080B	0.197	0.056	0.187	0.031	0.050	0.027	0.016	---	---	10
11	---	0 B	0.171B	0.163	0.060	0.161	0.031	0.051	0.024	0.017	---	---	11
12	---	0 B	0.317B	0.146	0.060	0.153	0.131	0.048	0.022	0.020	---	---	12
13	---	0 B	0.523B	0.139	0.060	0.158	0.127	0.045	0.020	0.013	---	---	13
14	---	0 B	0.640B	0.129	0.061	0.168	0.106	0.043	0.019	0.018	---	---	14
15	---	0 B	0.564B	0.116	0.060	0.175	0.089	0.044	0.017	0.020	---	---	15
16	---	0.010B	0.585B	0.114	0.059	0.175	0.075	0.051	0.022	0.021	---	---	16
17	---	0.050B	0.485B	0.106	0.058	0.169	0.067	0.052	0.025	0.025	---	---	17
18	---	0.100B	0.441B	0.097	0.058	0.160	0.055	0.050	0.014	0.025	---	---	18
19	---	0.300B	0.442B	0.089	0.057	0.152	0.044	0.045	0.011	0.025	---	---	19
20	---	0.700B	0.321B	0.083	0.055	0.149	0.031	0.040	0.009	0.026	---	---	20
21	---	1.40 B	0.318B	0.081	0.053	0.174	0.021	0.036	0.010	0.026	---	---	21
22	---	2.10 B	0.247B	0.077	0.055	0.244	0.011	0.034	0.010	0.026	---	---	22
23	---	3.60 B	0.232B	0.071	0.073	0.420	0.007	0.051	0.008	0.025	---	---	23
24	---	2.78 B	0.190	0.068	0.097	0.349	0.007	0.062	0.007	0.025	---	---	24
25	---	2.22 B	0.179	0.062	0.199	0.367	0.009	0.061	0.006	0.024	---	---	25
26	---	1.78 B	0.198	0.056	0.416	0.464	0.008	0.051	0.008	0.023	---	---	26
27	---	1.11 B	0.157	0.062	0.573	0.393	0.004	0.046	0.008	0.023	---	---	27
28	---	0.660B	0.153	0.051	0.513	0.414	0	0.040	0.007	0.022	---	---	28
29	---		0.196	0.055	0.431	0.393	0	0.035	0.007	0.022	---	---	29
30	---		0.213	0.072	0.339	0.473	0	0.033	0.009	0.023	---	---	30
31	---		0.409		0.286		0.004	0.032		0.025		---	31
TOTAL	---	16.810	8.392	4.740	4.368	7.569	2.202	2.331	0.548	0.605	---	---	TOTAL
MEAN	---	0.600	0.271	0.158	0.141	0.252	0.071	0.075	0.018	0.020	---	---	MEAN
MAX	---	3.60	0.640	0.438	0.573	0.473	0.457	0.698	0.032	0.026	---	---	MAX
MIN	---	0	0.053	0.051	0.053	0.149	0	0.005	0.006	0.009	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.126
MAXIMUM DAILY, 0.698 ON AUG 4
MINIMUM DAILY, 0 ON JUL 28
MAXIMUM INSTANTANEOUS,
3.60B AT 13:10 CST ON FEB 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 36 W
DRAINAGE AREA, 355 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	190
FEB	1 450	AUG	201
MAR	725	SEP	47.3
APR	410	OCT	52.3
MAY	377	NOV	---
JUN	654	DEC	---

TOTAL DISCHARGE, 2 660 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05OB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.331B	5.26	4.74	1.16	0.456	0.087	0.080	0.074	0.090	0.067B	1
2	0B	0 B	0.298B	4.59	4.63	1.10	0.526	0.052	0.059	0.050	0.090	0.064B	2
3	0B	0 B	0.340B	4.40	4.49	1.02	0.559	0.060	0.049	0.065	0.100	0.061B	3
4	0B	0 B	0.318B	4.42	4.19	1.09	0.486	0.102	0.040	0.084	0.100	0.057B	4
5	0B	0 B	0.309B	4.36	3.93	1.07	0.463	0.240	0.038	0.072	0.102	0.052B	5
6	0B	0 B	0.209B	4.60	3.77	0.957	0.537A	0.269	0.076	0.069	0.097	0.047B	6
7	0B	0 B	0.269B	4.77	3.53	0.866	0.537A	0.223	0.056	0.051	0.099	0.044B	7
8	0B	0 B	0.324B	4.88	3.30 A	0.787	0.432	0.195	0.045	0.048	0.098B	0.039B	8
9	0B	0 B	0.391B	5.20	3.09 E	0.793	0.360	0.147	0.040	0.054	0.098B	0.036B	9
10	0B	0 B	0.464B	5.62	2.88 E	0.810	0.290	0.098	0.035	0.047	0.097B	0.033B	10
11	0B	0 B	0.584B	5.68	2.66 E	0.768	0.288	0.062	0.030	0.044	0.097B	0.030B	11
12	0B	0 B	0.780B	5.80	2.45 A	0.705	0.273	0.049	0.022	0.147	0.096	0.028B	12
13	0B	0 B	0.893B	6.03	2.22	0.761	0.238	0.036	0.019	0.138	0.094	0.024B	13
14	0B	0 B	1.08 B	6.04	1.98	0.809	0.216	0.026	0.018	0.114	0.091	0.022B	14
15	0B	0 B	1.24 B	6.09	1.76	0.848	0.235	0.021	0.019	0.092	0.094	0.020B	15
16	0B	0.050B	1.32 B	6.16	1.61	0.775	0.611A	0.018	0.019	0.077	0.101	0.018B	16
17	0B	0.125B	1.34 B	6.11	1.50	0.737	0.404	0.016	0.018	0.077	0.109	0.015B	17
18	0B	0.213B	1.36 B	6.04	1.38	0.707	0.329	0.018	0.018	0.064	0.076B	0.013B	18
19	0B	0.124B	2.02 B	6.00	1.22	0.641	0.279	0.014	0.016	0.064	0.076B	0.011B	19
20	0B	0.167B	2.23 B	6.05	0.964	0.585	0.227	0.012	0.017	0.075	0.076B	0.009B	20
21	0B	0.447B	2.27 B	6.01	0.831	0.581	0.244	0.014	0.019	0.068	0.076B	0.007B	21
22	0B	0.703B	1.95 B	5.96	2.64	0.623	0.230	0.013	0.017	0.068B	0.076B	0.005B	22
23	0B	0.556B	2.57 B	5.56	8.12	0.696	0.215	0.099	0.019	0.068B	0.076B	0.004B	23
24	0B	0.816B	1.89 B	5.47	4.89	0.750	0.195	0.226	0.018	0.068B	0.076B	0.002B	24
25	0B	0.563B	1.95 B	5.52	2.96	0.617	0.178	0.244	0.019	0.067B	0.076B	0 B	25
26	0B	0.345B	1.82 B	5.39	2.54	0.557	0.189	0.201	0.067	0.067B	0.073B	0 B	26
27	0B	0.307B	2.16 B	4.98	2.07 A	0.524	0.126	0.117	0.032	0.067	0.073B	0 B	27
28	0B	0.343B	3.43 B	4.84	1.82	0.508	0.102	0.070	0.032A	0.067	0.073B	0 B	28
29	0B		3.49 B	4.80	1.58	0.471	0.083	0.049	0.031	0.071	0.070B	0 B	29
30	0B		2.85	4.78	1.37	0.444	0.085	0.038	0.043	0.082	0.070B	0 B	30
31	0B		4.95		1.24		0.093	0.048		0.089		0 B	31
TOTAL	0	4.759	45.430	161.41	86.355	22.760	9.446	2.864	1.011	2.288	2.620	0.708	TOTAL
MEAN	0	0.170	1.47	5.38	2.79	0.759	0.305	0.092	0.034	0.074	0.087	0.023	MEAN
MAX	0	0.816	4.95	6.16	8.12	1.16	0.611	0.269	0.080	0.147	0.109	0.067	MAX
MIN	0	0	0.209	4.36	0.831	0.444	0.083	0.012	0.016	0.044	0.070	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.931
MAXIMUM DAILY, 8.12 ON MAY 23
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
14.9 AT 22:02 CST ON MAY 22

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 98 16 40 W
DRAINAGE AREA, 7 510 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	816
FEB	411	AUG	247
MAR	3 930	SEP	87.4
APR	13 900	OCT	198
MAY	7 460	NOV	226
JUN	1 970	DEC	61.2

TOTAL DISCHARGE, 29 300 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	47.2B	41.3B	33.1B	32.0	38.0	45.7	96.5	117	80.4	65.2	67.5	74.9	1
2	46.5B	40.3B	33.0B	32.2	38.6	46.0	98.5	116	78.0	64.4	67.2	75.1	2
3	46.1B	40.5B	32.8B	32.2	38.7	46.3	100	116	76.4	63.6	66.8	75.6	3
4	46.0B	40.6B	32.4B	32.3	38.8	46.5	102	116	74.8	63.9	66.9	75.9	4
5	46.1B	40.8B	32.4B	32.3	39.0	46.8	103	115	73.5	64.0	67.1	75.7	5
6	46.1B	40.7B	31.9B	32.4	39.1	47.0	105	115	74.5	63.6	67.1	76.8	6
7	46.1B	39.8B	31.8B	32.8	39.4	47.2	106	115	78.7	62.8	67.1	78.0B	7
8	45.9B	39.8B	31.8B	33.2	39.4	47.8	107	114	82.2	62.0	66.9	78.4B	8
9	45.2B	39.5B	31.6B	33.2	39.4	48.0	106	113	84.6	61.8	66.5	78.2B	9
10	45.0B	38.8B	31.4B	33.1	39.5	47.9	106	112	85.9	62.4	66.4	78.5B	10
11	45.4B	38.1B	31.1B	33.1	39.5	48.0	106	111	86.2	62.5	66.4	78.4B	11
12	46.7B	37.4B	30.9B	33.1	39.6	48.3	107	109	85.1	62.4	66.4	79.9B	12
13	47.5B	36.5B	30.8B	33.1	39.6	48.7	108	107	83.6	64.0	66.5	79.8B	13
14	46.9B	36.6B	30.5B	32.9	39.7	49.4	108	105	81.6	64.4	66.8	80.2B	14
15	46.7B	36.8B	30.4B	32.5	39.2	52.4	109	103	79.3	64.4	66.9	79.8B	15
16	46.1B	35.9B	30.2B	32.6	39.1	55.9	113	101	77.8	64.4	67.2	79.3B	16
17	45.8B	36.4B	30.0B	33.5	39.0	58.8	116	99.2	76.3	64.2	67.7	78.3B	17
18	45.6B	36.5B	29.8B	33.8	39.1	63.9	116	97.5	74.7	63.7	68.0	77.2B	18
19	45.4B	36.6B	29.5B	33.8	38.9	68.0	116	96.0	72.8	63.1	68.3	77.3B	19
20	45.3B	36.2B	29.3B	33.7	38.7	69.9	116	95.0	71.2	63.0	68.6	77.8B	20
21	45.1B	36.0B	29.1B	33.8	38.5	71.2	116	93.6	69.6	62.6	67.5	80.9B	21
22	44.7B	36.1B	28.7	34.8	38.2	72.0	116	92.3	68.3	62.2	69.9	89.3B	22
23	44.3B	35.7B	28.6	35.9	38.7	72.5	116	90.7	67.1	61.6	71.1	84.9B	23
24	44.0B	35.4B	28.4	36.1	39.9	73.9	117	89.4	65.8	61.2	71.1	80.9B	24
25	43.9B	34.7B	28.3	36.1	41.2	77.3	118	88.2	64.3	60.6	71.2	79.7B	25
26	42.9B	34.5B	28.4	36.4	41.8	80.3	118	87.0	65.2	60.1	71.3	78.6B	26
27	42.7B	34.1B	29.0	36.7	42.1	83.3	117	85.5	66.7	59.7	72.5	80.9B	27
28	43.2B	33.5B	29.5	37.1	42.3	87.2	116	83.9	66.5	59.2	72.7	80.2B	28
29	42.3B		30.2	37.5	43.4	90.6	116	82.3	65.9	59.2	72.6	77.9B	29
30	42.2B		30.8	37.8	45.4	93.6	116	80.6	65.4	59.7	73.8	77.3B	30
31	42.5B		31.4		45.7		119	80.4		64.6		77.2B	31
TOTAL	1 399.4	1 049.1	947.1	1 020.0	1 239.5	1 834.4	3 430.0	3 126.6	2 242.6	1 940.5	2 056.0	2 442.9	TOTAL
MEAN	45.1	37.5	30.6	34.0	40.0	61.1	111	101	74.8	62.6	68.5	78.8	MEAN
MAX	47.5	41.3	33.1	37.8	45.7	93.6	119	117	86.2	65.2	73.8	89.3	MAX
MIN	42.2	33.5	28.3	32.0	38.0	45.7	96.5	80.4	64.3	59.2	66.4	74.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 62.3
MAXIMUM DAILY, 119 ON JUL 31
MINIMUM DAILY, 28.3 ON MAR 25
MAXIMUM INSTANTANEOUS,
119 AT 21:44 CST ON JUL 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 49 N
LONG 96 23 37 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	121 000	JUL	296 000
FEB	90 600	AUG	270 000
MAR	81 800	SEP	194 000
APR	88 100	OCT	168 000
MAY	107 000	NOV	178 000
JUN	158 000	DEC	211 000

TOTAL DISCHARGE, 1 960 000 dam³

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.029	0.001	0.004	0.011	0.003	0.008	0	---	---	1
2	---	---	0 B	0.022	0.005	0.005	0.012	0.001	0.008	0	---	---	2
3	---	---	0 B	0.017	0.004	0.004	0.009	0.002	0.007	0	---	---	3
4	---	---	0 B	0.010	0.004	0.003	0.007	0.004	0.007	0	---	---	4
5	---	---	0 B	0.008	0.003	0.001	0.005	0.006	0.007	0	---	---	5
6	---	---	0 B	0.018	0.002	0.003	0.004	0.007	0.014	0	---	---	6
7	---	---	0 B	0.004	0.002	0.002	0.001	0.004	0.011	0	---	---	7
8	---	---	0 B	0.001	0.002	0.004	0	0.003	0.009	0	---	---	8
9	---	---	0 B	0.001	0.002	0.008	0	0.003	0.001	0	---	---	9
10	---	---	0 B	0.001	0.002	0.011	0	0.003	0.002	0	---	---	10
11	---	---	0.006B	0.001	0.003	0.009	0	0.001	0.002	0	---	---	11
12	---	---	0.043B	0.001	0.001	0.008	0	0.001	0.003	0	---	---	12
13	---	---	0.128B	0	0	0.009	0	0.001	0.004	0	---	---	13
14	---	---	0.270B	0	0	0.010	0	0.001	0.002	0	---	---	14
15	---	---	0.437A	0	0	0.011	0	0.001	0.002	0	---	---	15
16	---	---	0.510A	0	0	0.010	0	0.001	0.001	0	---	---	16
17	---	---	0.524	0	0	0.010	0	0.001	0.001	0	---	---	17
18	---	---	0.365	0	0	0.010	0	0.001	0	0	---	---	18
19	---	---	0.276	0	0	0.009	0	0.001	0	0	---	---	19
20	---	---	0.208	0	0	0.009	0	0.001	0	0	---	---	20
21	---	---	0.171	0	0	0.012	0.009	0.001	0	0	---	---	21
22	---	---	0.121	0	0	0.013	0.004	0.002	0	0	---	---	22
23	---	---	0.097	0	0.002	0.011	0.006	0.022	0	0	---	---	23
24	---	---	0.087	0	0.007	0.014	0.006	0.010	0	0	---	---	24
25	---	---	0.096	0	0.006	0.014	0.004	0.008	0	0	---	---	25
26	---	---	0.074	0	0.006	0.013	0.002	0.007	0	0	---	---	26
27	---	---	0.069	0	0.006	0.012	0.003	0.006	0	0	---	---	27
28	---	---	0.063	0.001	0.005	0.012	0.003	0.007	0	0	---	---	28
29	---		0.057	0.002	0.006	0.011	0.001	0.006	0	0	---	---	29
30	---		0.048	0.001	0.004	0.011	0.010	0.006	0	0	---	---	30
31	---		0.041		0.004		0.005	0.007		0		---	31
TOTAL	---	---	3.691	0.117	0.077	0.263	0.102	0.128	0.089	0	---	---	TOTAL
MEAN	---	---	0.119	0.004	0.002	0.009	0.003	0.004	0.003	0	---	---	MEAN
MAX	---	---	0.524	0.029	0.007	0.014	0.012	0.022	0.014	0	---	---	MAX
MIN	---	---	0	0	0	0.001	0	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.524 ON MAR 17
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 34 N
LONG 98 57 06 W
DRAINAGE AREA, 147 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.81
FEB	---	AUG	11.1
MAR	319	SEP	7.69
APR	10.1	OCT	0
MAY	6.65	NOV	---
JUN	22.7	DEC	---

TOTAL DISCHARGE, 386 dam³

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 05OD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.132B	0.120B	0.150B	0.356B	0.719	0.672	0.613	0.717	0.165	3.16	0.752	0.427B	1
2	0.131B	0.120B	0.150B	0.376B	0.508	0.868	0.585	0.396	0.171	3.06	0.712	0.422B	2
3	0.130B	0.120B	0.150B	0.403B	0.728	0.806	0.494	0.324	0.145	2.03	0.644	0.411B	3
4	0.129B	0.120B	0.150B	0.432B	0.586	0.638	0.432	0.278	0.133	1.90	0.619	0.398B	4
5	0.128B	0.120B	0.150B	0.464B	0.506	0.780	0.305	0.239	0.130	1.75	0.625	0.442B	5
6	0.127B	0.120B	0.150B	0.518	0.512	0.723	0.255	0.328	2.36	1.48	0.567	0.427B	6
7	0.126B	0.120B	0.151B	0.501	0.618	0.596	0.228	0.664	10.1	1.19	0.557	0.405B	7
8	0.125B	0.120B	0.153B	0.479	0.467	1.00	0.201	0.533	11.1	1.01	0.534	0.397B	8
9	0.124B	0.120B	0.156B	0.459	0.470	0.824	0.176	0.408	4.79	0.899	0.552B	0.369B	9
10	0.123B	0.120B	0.160B	0.471	0.463	0.663	0.177	0.344	1.97	1.15	0.473	0.367B	10
11	0.122B	0.120B	0.165B	0.442	0.580	0.526	0.187	0.367	1.12	1.08	0.501B	0.365B	11
12	0.121B	0.120B	0.164B	0.432	0.829	0.480	0.186	0.226	0.805	1.07	0.467	0.358B	12
13	0.120B	0.120B	0.163B	0.437	0.437	0.695	0.176	0.218	0.681	2.48	0.486	0.351B	13
14	0.120B	0.120B	0.165B	0.401	0.398	1.22	0.162	0.212	0.612	2.13	0.510	0.344B	14
15	0.120B	0.125B	0.168B	0.425	0.417	4.07	0.194	0.186	0.470	1.60	0.530	0.336B	15
16	0.120B	0.132B	0.171B	0.428	0.431	3.05	0.192	0.146	0.421	1.28	0.639	0.329B	16
17	0.120B	0.141B	0.170B	0.412	0.415	1.89	0.191	0.139	0.370	1.12	0.620	0.321B	17
18	0.120B	0.152B	0.169B	0.409	0.421	1.47	0.219	0.132	0.339	1.03	0.596B	0.314B	18
19	0.120B	0.177B	0.168B	0.408	0.403	1.20	0.182	0.172	0.310	0.910	0.525B	0.306B	19
20	0.120B	0.202B	0.167B	0.401	0.378	1.03	0.183	0.118	0.296	0.843	0.687B	0.299B	20
21	0.120B	0.237B	0.168B	0.404	0.363	2.00	0.174	0.125	0.357	0.730	0.751B	0.291B	21
22	0.120B	0.282B	0.169B	0.472	0.381	1.51	0.151	0.135	0.409	0.678	0.569B	0.284B	22
23	0.120B	0.337B	0.170B	0.469	0.847	1.13	0.140	0.142	0.395	0.632B	0.472B	0.276B	23
24	0.120B	0.246B	0.170B	0.463	2.09	1.34	0.151	0.146	0.486	0.624B	0.426B	0.269B	24
25	0.120B	0.154B	0.209B	0.435	2.99	1.54	0.222	0.159	0.428	0.618	0.412B	0.261B	25
26	0.120B	0.152B	0.254B	0.463	2.29	1.15	0.177	0.154	0.434	0.621	0.457B	0.254B	26
27	0.120B	0.150B	0.272B	0.484	1.65	0.883	0.152	0.140	0.635	0.603	0.542B	0.246B	27
28	0.120B	0.150B	0.289B	0.505	1.29	0.957	0.132	0.124	0.731	0.619	0.491B	0.239B	28
29	0.120B		0.304B	0.504	1.18	0.746	0.124	0.126	0.601	0.733	0.456B	0.231B	29
30	0.120B		0.319B	0.524	1.01	0.574	0.131	0.127	0.733	0.743	0.431B	0.224B	30
31	0.120B		0.337B		0.798		0.638	0.142		0.799		0.216B	31
TOTAL	3.798	4.317	5.851	13.377	25.175	35.031	7.530	7.667	41.697	38.572	16.603	10.179	TOTAL
MEAN	0.123	0.154	0.189	0.446	0.812	1.17	0.243	0.247	1.39	1.24	0.553	0.328	MEAN
MAX	0.132	0.337	0.337	0.524	2.99	4.07	0.638	0.717	11.1	3.16	0.752	0.442	MAX
MIN	0.120	0.120	0.150	0.356	0.363	0.480	0.124	0.118	0.130	0.603	0.412	0.216	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.575
MAXIMUM DAILY, 11.1 ON SEP 8
MINIMUM DAILY, 0.118 ON AUG 20
MAXIMUM INSTANTANEOUS,
11.8 AT 01:28 CST ON SEP 8

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 25 N
LONG 95 58 40 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	328	JUL	651
FEB	373	AUG	662
MAR	506	SEP	3 600
APR	1 160	OCT	3 330
MAY	2 180	NOV	1 430
JUN	3 030	DEC	879

TOTAL DISCHARGE, 18 100 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.110B	0.093B	0.214	0.284	0.208	0.189	0.160	0.099	0.160	0.241	0.234	0.147B	1
2	0.108B	0.095B	0.204	0.273	0.183	0.182	0.149	0.095	0.148	0.312	0.218	0.148B	2
3	0.104B	0.094B	0.205	0.217	0.151	0.163	0.128	0.141	0.126	0.224	0.199	0.145B	3
4	0.104B	0.094B	0.188	0.206	0.140	0.169	0.129	0.143	0.104	0.277	0.178	0.140B	4
5	0.101B	0.095B	0.178	0.192	0.132	0.341	0.120	0.211	0.129	0.232	0.164	0.135B	5
6	0.101B	0.097B	0.173	0.200	0.143	0.243	0.091	0.232	0.156	0.188	0.163	0.135B	6
7	0.096B	0.098B	0.167	0.144	0.180	0.207	0.086	0.176	0.148	0.162	0.240	0.131B	7
8	0.094B	0.098B	0.164	0.110	0.171	0.177	0.081	0.152	0.122	0.153	0.212	0.126B	8
9	0.092B	0.097B	0.158	0.108	0.144	0.170	0.077	0.177	0.281	0.147	0.195	0.122B	9
10	0.091B	0.097B	0.159	0.107	0.137	0.172	0.070	0.180	0.100	0.141	0.177	0.121B	10
11	0.092B	0.097B	0.187	0.106	0.143	0.171	0.074	0.198	0.083	0.169	0.171	0.121B	11
12	0.091B	0.097B	0.208	0.099	0.199	0.185	0.073	0.189	0.078	0.190	0.165	0.117B	12
13	0.091B	0.097B	0.209	0.098	0.241	0.169	0.070	0.135	0.070	0.248	0.163	0.112B	13
14	0.091B	0.102B	0.219	0.103	0.219	0.176	0.070	0.114	0.073	0.220	0.158	0.105B	14
15	0.091B	0.125B	0.223	0.145	0.166	0.196	0.074	0.102	0.071	0.180	0.153	0.102B	15
16	0.091B	0.197B	0.233	0.205	0.296	0.255	0.080	0.094	0.080	0.191	0.149	0.097B	16
17	0.092B	0.332	0.247	0.120	0.224	0.308	0.138	0.093	0.107	0.207	0.150	0.090B	17
18	0.093B	0.300	0.222	0.093	0.186	0.319	0.138	0.088	0.075	0.174	0.148	0.086B	18
19	0.095B	0.248	0.174	0.107	0.159	0.299	0.088	0.085	0.097	0.166	0.147B	0.087B	19
20	0.096B	0.268	0.199	0.093	0.215	0.318	0.072	0.075	0.089	0.180	0.139B	0.089B	20
21	0.094B	0.292	0.199	0.100	0.195	0.258	0.068	0.074	0.082	0.185	0.344B	0.096B	21
22	0.094B	0.348	0.192	0.279	0.153	0.238	0.068	0.070	0.084	0.172	0.258B	0.094B	22
23	0.098B	0.361	0.193	0.181	0.221	0.369	0.096	0.105	0.080	0.167	0.221B	0.098B	23
24	0.103B	0.324	0.187	0.166	0.195	0.359	0.123	0.109	0.116	0.169	0.197B	0.102B	24
25	0.106B	0.287	0.195	0.154	0.228	0.512	0.105	0.090	0.109	0.160	0.181B	0.102B	25
26	0.107B	0.274	0.197	0.176	0.312	0.341	0.094	0.095	0.161	0.161	0.172B	0.100B	26
27	0.107B	0.259	0.178	0.148	0.261	0.232	0.085	0.114	0.189	0.166	0.164B	0.098B	27
28	0.103B	0.227	0.215	0.169	0.238	0.206	0.083	0.103	0.170	0.189	0.150B	0.095B	28
29	0.097B		0.234	0.221	0.185	0.238	0.084	0.127	0.179	0.237	0.149B	0.091B	29
30	0.094B		0.197	0.188	0.214	0.167	0.089	0.075	0.207	0.233	0.149B	0.086B	30
31	0.094B		0.207		0.226		0.118	0.128		0.235		0.083B	31
TOTAL	3.021	5.193	6.125	4.792	6.065	7.329	2.981	3.869	3.674	6.076	5.558	3.401	TOTAL
MEAN	0.097	0.185	0.198	0.160	0.196	0.244	0.096	0.125	0.122	0.196	0.185	0.110	MEAN
MAX	0.110	0.361	0.247	0.284	0.312	0.512	0.160	0.232	0.281	0.312	0.344	0.148	MAX
MIN	0.091	0.093	0.158	0.093	0.132	0.163	0.068	0.070	0.070	0.141	0.147	0.083	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.159
MAXIMUM DAILY, 0.512 ON JUN 25
MINIMUM DAILY, 0.068 ON JUL 21
MAXIMUM INSTANTANEOUS,
0.670 AT 08:15 CST ON JUN 25

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 99 12 30 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	261	JUL	258
FEB	449	AUG	334
MAR	529	SEP	317
APR	414	OCT	525
MAY	524	NOV	480
JUN	633	DEC	294

TOTAL DISCHARGE, 5 020 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO. 05LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.112B	0.529B	0.931B	0.958	0.973	---	---	---	---	---	---	1
2	---	0.112B	0.529B	0.941B	1.00	0.850	---	---	---	---	---	---	2
3	---	0.112B	0.528B	0.951B	0.985	0.837	---	---	---	---	---	---	3
4	---	0.112B	0.528B	0.957B	1.01	0.779	---	---	---	---	---	---	4
5	---	0.112B	0.527B	0.961B	0.969	0.790	---	---	---	---	---	---	5
6	---	0.112B	0.527B	0.970B	0.886	0.992	---	---	---	---	---	---	6
7	---	0.112B	0.527B	0.974B	0.880	1.00	---	---	---	---	---	---	7
8	---	0.112B	0.526B	0.974B	0.882	0.971	---	---	---	---	---	---	8
9	---	0.112B	0.526B	0.977B	0.861	0.858	---	---	---	---	---	---	9
10	---	0.112B	0.575B	0.947B	0.859	0.821	---	---	---	---	---	---	10
11	---	0.112B	0.532B	0.855B	0.814	0.852	---	---	---	---	---	---	11
12	---	0.112B	0.552B	0.820B	0.780	0.798	---	---	---	---	---	---	12
13	---	0.112B	0.600B	0.791B	0.876	0.715	---	---	---	---	---	---	13
14	---	0.112B	0.664B	0.844B	0.826	0.725	---	---	---	---	---	---	14
15	---	0.125B	0.747B	0.806B	0.834	0.850	---	---	---	---	---	---	15
16	---	0.214B	0.791B	0.748B	0.850	1.06	---	---	---	---	---	---	16
17	---	0.279B	0.806B	0.787B	0.850	1.18	---	---	---	---	---	---	17
18	---	0.352B	0.814B	0.849B	0.787	1.18	---	---	---	---	---	---	18
19	---	0.419B	0.817B	0.838	0.837	1.37	---	---	---	---	---	---	19
20	---	0.486B	0.820B	0.765	0.825	1.31	---	---	---	---	---	---	20
21	---	0.532B	0.822B	0.763	0.866	1.12	---	---	---	---	---	---	21
22	---	0.543B	0.825B	0.730	0.789	1.08	---	---	---	---	---	---	22
23	---	0.539B	0.828B	0.768	0.847	1.25	---	---	---	---	---	---	23
24	---	0.537B	0.833B	0.783	1.05	1.25	---	---	---	---	---	---	24
25	---	0.535B	0.842B	0.879	1.16	1.13	---	---	---	---	---	---	25
26	---	0.534B	0.850B	0.861	1.33	1.13	---	---	---	---	---	---	26
27	---	0.532B	0.864B	0.876	1.25	1.00	---	---	---	---	---	---	27
28	---	0.531B	0.877B	0.888	1.17	1.01	---	---	---	---	---	---	28
29	---		0.890B	0.931	1.18	0.888	---	---	---	---	---	---	29
30	---		0.902B	0.912	1.20	0.873	---	---	---	---	---	---	30
31	---		0.915B		1.13		---	---		---		---	31
TOTAL	---	7.726	21.913	26.077	29.541	29.642	---	---	---	---	---	---	TOTAL
MEAN	---	0.276	0.707	0.869	0.953	0.988	---	---	---	---	---	---	MEAN
MAX	---	0.543	0.915	0.977	1.33	1.37	---	---	---	---	---	---	MAX
MIN	---	0.112	0.526	0.730	0.780	0.715	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.878
MAXIMUM DAILY, 1.37 ON JUN 19
MINIMUM DAILY, 0.526B ON MAR 8
MAXIMUM INSTANTANEOUS,
1.57 AT 10:10 CST ON JUN 17

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 40 N
LONG 98 56 49 W
DRAINAGE AREA, 635 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	668	AUG	---
MAR	1 890	SEP	---
APR	2 250	OCT	---
MAY	2 550	NOV	---
JUN	2 560	DEC	---

TOTAL DISCHARGE, 9 250 dam³

REMARKS - MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

PINE RIVER NEAR PINE RIVER - STATION NO. 05LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	0.587B	1.12 E	0.579	1.01	0.448	0.104	0.655	---	---	1
2	---	---	0.250B	0.545B	1.27 E	0.518	1.14	0.423	0.095	0.610	---	---	2
3	---	---	0.250B	0.485B	1.35	0.545	1.04	0.398	0.082	0.560	---	---	3
4	---	---	0.250B	0.470B	1.29	0.566	0.804	0.366	0.080	0.517	---	---	4
5	---	---	0.250B	0.510B	1.32	0.523	0.650	0.364	0.091	0.499	---	---	5
6	---	---	0.250B	0.521B	1.31	0.461	0.540	0.362	0.092	0.451	---	---	6
7	---	---	0.250B	0.505B	1.20	0.442	0.478	0.344	0.093	0.402	---	---	7
8	---	---	0.250B	0.480B	1.12	0.430	0.459	0.320	0.093	0.371	---	---	8
9	---	---	0.250B	0.450B	0.915	0.416	0.543	0.310	0.089	0.364	---	---	9
10	---	---	0.250B	0.425B	0.811	0.402	0.474	0.309	0.087	0.383	---	---	10
11	---	---	0.274B	0.397B	0.784	0.375	0.441	0.282	0.075	0.357	---	---	11
12	---	---	0.286B	0.375B	0.828	0.357	0.419	0.271	0.077	0.382	---	---	12
13	---	---	0.298B	0.350B	0.734	0.339	0.382	0.251	0.075	0.609	---	---	13
14	---	---	0.306B	0.379B	0.694	0.356	0.373	0.244	0.077	0.686	---	---	14
15	---	---	0.310B	0.415B	0.635	4.61	0.416	0.238	0.084	0.653	---	---	15
16	---	---	0.310B	0.420B	0.584	7.43	0.461	0.225	0.082	0.649	---	---	16
17	---	---	0.310B	0.420B	0.552	5.37	0.701	0.220	0.079	0.718	---	---	17
18	---	---	0.310B	0.420B	0.517	7.50	0.712	0.193	0.082	0.818	---	---	18
19	---	---	0.310B	0.425B	0.497	6.58	0.572	0.169	0.085	0.735	---	---	19
20	---	---	0.310B	0.440B	0.496	4.63	0.482	0.163	0.082	0.698	---	---	20
21	---	---	0.310B	0.445B	0.495	3.35	0.426	0.169	0.086	0.553	---	---	21
22	---	---	0.310B	0.450B	0.466	2.78	0.388	0.159	0.084	0.537	---	---	22
23	---	---	0.318B	0.460B	0.495	5.03	0.364	0.151	0.081	0.500E	---	---	23
24	---	---	0.354B	0.510B	0.587	6.66	0.353	0.148	0.087	0.388E	---	---	24
25	---	---	0.415B	0.569B	0.614	5.01	0.323	0.136	0.089	0.326E	---	---	25
26	---	---	0.515B	0.629B	0.589	3.55	0.291	0.128	0.248	0.350E	---	---	26
27	---	---	0.623B	0.689B	0.547	2.63	0.267	0.128	0.626	0.370E	---	---	27
28	---	---	0.647B	0.749B	0.521	2.05	0.251	0.128	0.494	0.397A	---	---	28
29	---		0.653B	0.848B	0.642	1.62	0.375	0.123	0.473	0.375E	---	---	29
30	---		0.647B	0.958E	0.706	1.28	0.412	0.112	0.541	0.350E	---	---	30
31	---		0.623B		0.660		0.500	0.107		0.330E		---	31
TOTAL	---	---	10.939	15.326	24.349	76.349	16.047	7.389	4.513	15.593	---	---	TOTAL
MEAN	---	---	0.353	0.511	0.785	2.54	0.518	0.238	0.150	0.503	---	---	MEAN
MAX	---	---	0.653	0.958	1.35	7.50	1.14	0.448	0.626	0.818	---	---	MAX
MIN	---	---	0.250	0.350	0.466	0.339	0.251	0.107	0.075	0.326	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.696
MAXIMUM DAILY, 7.50 ON JUN 18
MINIMUM DAILY, 0.075 ON SEP 11
MAXIMUM INSTANTANEOUS,
8.64 AT 11:36 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 390
FEB	---	AUG	638
MAR	945	SEP	390
APR	1 320	OCT	1 350
MAY	2 100	NOV	---
JUN	6 600	DEC	---

TOTAL DISCHARGE, 14 700 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO. 05NG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.071B	0.047B	0.137B	0.577	0.069	0.015	0.004	0.002	0.001	0.003	0.003	0.007B	1
2	0.071B	0.045B	0.144B	0.590	0.073	0.014	0.005	0.002	0.001	0.002	0.003	0.008B	2
3	0.071B	0.044B	0.246B	0.610	0.070	0.013	0.003	0.002	0.001	0.002	0.004	0.009B	3
4	0.071B	0.043B	0.348B	0.640	0.064	0.015	0.002	0.002	0.001	0.003	0.005	0.009B	4
5	0.071B	0.041B	0.449B	0.680	0.067	0.019	0.002	0.003	0.001	0.002	0.005	0.002B	5
6	0.071B	0.040B	0.551B	0.659	0.068	0.016	0.001	0.002	0.001	0.002	0.004	0.008B	6
7	0.071B	0.039B	0.652B	0.633	0.065	0.016	0.001	0.001	0	0.002	0.004	0.010B	7
8	0.071B	0.037B	0.755B	0.583	0.060	0.017	0.002	0.001	0	0.002	0.003	0.005B	8
9	0.071B	0.036B	0.856B	0.496	0.053	0.017	0.001	0.001	0	0.003	0.003	0.003B	9
10	0.071B	0.035B	0.958B	0.432	0.049	0.015	0.001	0.001	0	0.003	0.003	0.003B	10
11	0.071B	0.033B	1.06 B	0.352	0.044	0.014	0.002	0	0	0.003	0.003	0.003B	11
12	0.071B	0.032B	1.22 B	0.354	0.044	0.013	0.003	0	0	0.008	0.004	0.002B	12
13	0.071B	0.031B	1.38 B	0.434	0.047	0.012	0.002	0	0	0.009	0.004	0.002B	13
14	0.071B	0.029B	1.55 B	0.382	0.041	0.012	0.002	0	0	0.005	0.004	0.001B	14
15	0.071B	0.028B	1.71 B	0.303	0.034	0.015	0.003	0	0	0.003	0.004	0.001B	15
16	0.068B	0.027B	1.87 B	0.271	0.029	0.015	0.002	0	0	0.003	0.004	0.001B	16
17	0.067B	0.025B	1.78 B	0.219	0.033	0.021	0.002	0	0	0.005	0.003	0.001B	17
18	0.066B	0.024B	1.70 B	0.156	0.034	0.020	0.002	0	0	0.003	0.004B	0.001B	18
19	0.064B	0.030B	1.61 B	0.142	0.030	0.015	0.002	0.001	0	0.002	0.007B	0.001B	19
20	0.063B	0.042B	1.52 B	0.114	0.027	0.012	0.002	0.001	0	0.002	0.007B	0.001B	20
21	0.062B	0.082B	1.44 B	0.121	0.023	0.014	0.003	0.001	0	0.002	0.007B	0.001B	21
22	0.060B	0.089B	1.35 B	0.128	0.029	0.014	0.002	0.001	0.001	0.003	0.009B	0.001B	22
23	0.059B	0.096B	1.26 B	0.112	0.033	0.019	0.002	0.005	0.001	0.002	0.009B	0.001B	23
24	0.058B	0.103B	1.18 B	0.098	0.052	0.027	0.002	0.010	0.001	0.003	0.009B	0.001B	24
25	0.056B	0.110B	1.09 B	0.100	0.058	0.022	0.002	0.004	0.002	0.003	0.009B	0.001B	25
26	0.055B	0.116B	1.00 B	0.094	0.054	0.015	0.002	0.002	0.008	0.003	0.010B	0.001B	26
27	0.054B	0.123B	0.917B	0.086	0.044	0.013	0.002	0.001	0.003	0.002	0.009B	0.001B	27
28	0.052B	0.130B	0.831B	0.086	0.036	0.009	0.001	0.001	0.002	0.003	0.009B	0.001B	28
29	0.051B		0.744B	0.091	0.030	0.008	0.001	0.001	0.001	0.002	0.008B	0.001B	29
30	0.050B		0.658B	0.086	0.023	0.005	0.002	0.001	0.002	0.004	0.007B	0 B	30
31	0.048B		0.571		0.018		0.002	0.002		0.004		0 B	31
TOTAL	1.998	1.557	31.537	9.629	1.401	0.452	0.065	0.048	0.027	0.098	0.167	0.087	TOTAL
MEAN	0.064	0.056	1.02	0.321	0.045	0.015	0.002	0.002	0.001	0.003	0.006	0.003	MEAN
MAX	0.071	0.130	1.87	0.680	0.073	0.027	0.005	0.010	0.008	0.009	0.010	0.010	MAX
MIN	0.048	0.024	0.137	0.086	0.018	0.005	0.001	0	0	0.002	0.003	0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.129
MAXIMUM DAILY, 1.87B ON MAR 16
MINIMUM DAILY, 0 ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 56 30 W
DRAINAGE AREA, 4 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	173	JUL	5.62
FEB	135	AUG	4.15
MAR	2 720	SEP	2.33
APR	832	OCT	8.47
MAY	121	NOV	14.4
JUN	39.1	DEC	7.52

TOTAL DISCHARGE, 4 060 dam³

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.213B	0.533B	0.020	0.016	1.59	0.001	0 E	0.010E	---	---	1
2	---	---	0.213B	0.524B	0.016	0.009	2.87	0.001	0 E	0.009E	---	---	2
3	---	---	0.213B	0.501B	0.045	0.008	0.506	0	0 E	0.007E	---	---	3
4	---	---	0.213B	0.452B	0.051	0.008	0.179	0	0 E	0.005E	---	---	4
5	---	---	0.213B	0.380B	0.024	0.009	0.065	0	0 E	0.004E	---	---	5
6	---	---	0.213B	0.281B	0.018	0.007	0.029	0	0 E	0.005A	---	---	6
7	---	---	0.213B	0.201B	0.016	0.006	0.017	0	0 E	0.004	---	---	7
8	---	---	0.213B	0.149B	0.016	0.003	0.009	0	0 E	0.003	---	---	8
9	---	---	0.213B	0.051B	0.020	0.002	0.003	0	0 A	0.003	---	---	9
10	---	---	0.213B	0.020B	0.027A	0.001	0.002	0	0	0.002A	---	---	10
11	---	---	0.213B	0.008B	0.018E	0.001	0.001	0	0	0.002E	---	---	11
12	---	---	0.218B	0.009B	0.015A	0.001	0.001	0	0	0.002E	---	---	12
13	---	---	0.231B	0.010B	0.012	0.001	0.001	0	0.253	0.002E	---	---	13
14	---	---	0.251B	0.012A	0.010	0.006	0.001	0	0.785	0.002E	---	---	14
15	---	---	0.241B	0.025E	0.008	0.018	0.002	0	0.176A	0.002E	---	---	15
16	---	---	0.225B	0.051E	0.007	0.011	0.003	0	0.030E	0.002E	---	---	16
17	---	---	0.221B	0.054E	0.005	0.015	0.003	0	0.013	0.002E	---	---	17
18	---	---	0.218B	0.035E	0.004	0.023	0.003	0	0.005	0.005E	---	---	18
19	---	---	0.218B	0.025E	0.005	0.016	0.002	0	0.002	0.006E	---	---	19
20	---	---	0.218B	0.016A	0.004	0.012	0.001	0	0.001	0.005E	---	---	20
21	---	---	0.215B	0.010	0.004	0.009	0.001	0	0	0.110E	---	---	21
22	---	---	0.215B	0.008	0.006	0.007	0.001	0	0	0.751E	---	---	22
23	---	---	0.215B	0.007	0.006	0.006	0.001	0	0	0.725E	---	---	23
24	---	---	0.215B	0.007	0.007	0.006	0.001	0	0	0.704E	---	---	24
25	---	---	0.218B	0.010	0.011	0.004	0.001	0	0.003	0.652E	---	---	25
26	---	---	0.238B	0.011	0.009	0.003	0.001	0	0.007	0.600E	---	---	26
27	---	---	0.298B	0.010	0.007	0.002	0.001	0	0.005	0.564E	---	---	27
28	---	---	0.461B	0.018	0.010	0.001	0.001	0 E	0.005	0.546E	---	---	28
29	---		0.501B	0.037	0.026	0.002	0.001	0 E	0.006	0.510E	---	---	29
30	---		0.524B	0.023	0.029	0.001	0.001	0 E	0.011A	0.474E	---	---	30
31	---		0.537B		0.022		0.001	0 E		0.443E		---	31
TOTAL	---	---	8.021	3.478	0.478	0.214	5.299	0.002	1.302	6.161	---	---	TOTAL
MEAN	---	---	0.259	0.116	0.015	0.007	0.171	0	0.043	0.199	---	---	MEAN
MAX	---	---	0.537	0.533	0.051	0.023	2.87	0.001	0.785	0.751	---	---	MAX
MIN	---	---	0.213	0.007	0.004	0.001	0.001	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.102
MAXIMUM DAILY, 2.87 ON JUL 2
MINIMUM DAILY, 0 ON AUG 3
MAXIMUM INSTANTANEOUS,
13.3 AT 22:09 CST ON JUL 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 16 N
LONG 100 52 57 W
DRAINAGE AREA, 262 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	458
FEB	---	AUG	0.17
MAR	693	SEP	112
APR	300	OCT	532
MAY	41.3	NOV	---
JUN	18.5	DEC	---

TOTAL DISCHARGE, 2 150 dam³

PLUM CREEK NEAR SOURIS - STATION NO. 05NG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.004B	0.002	0.001	0	0.015	0	0	0	0.001	0.001B	1
2	0B	0 B	0.003B	0.002	0.001	0	0.007	0	0	0	0.001	0.001B	2
3	0B	0 B	0.002B	0.002	0.001	0	0.002	0	0	0	0.001	0.001B	3
4	0B	0 B	0.002B	0.002	0.001	0	0.001	0	0	0	0.001	0.001B	4
5	0B	0 B	0.001B	0.002	0.001	0	0.001	0	0	0	0.001	0.001B	5
6	0B	0 B	0.001B	0.002	0.001	0	0	0	0	0	0.001	0.001B	6
7	0B	0 B	0.001B	0.002	0.001	0	0	0	0	0	0.001	0.001B	7
8	0B	0 B	0.001B	0.001	0.001	0	0	0	0	0	0.001	0.001B	8
9	0B	0 B	0.001B	0.001	0.001	0	0	0	0	0	0.001	0.001B	9
10	0B	0 B	0.005B	0.001	0.001	0	0	0	0	0	0.001	0.001B	10
11	0B	0 B	0.026B	0.001	0.001	0	0	0	0	0	0.001	0.001B	11
12	0B	0 B	0.034B	0.001	0.001	0	0	0	0	0	0.001	0.001B	12
13	0B	0 B	0.016B	0.001	0.001	0	0	0	0	0	0.001	0.001B	13
14	0B	0 B	0.016B	0.001	0.001	0	0	0	0	0	0.001	0.001B	14
15	0B	0 B	0.017B	0.001	0.001	0	0	0	0	0	0.001	0.001B	15
16	0B	0.002B	0.020B	0.001	0.001	0	0	0	0	0	0.001	0.001B	16
17	0B	0.009B	0.020B	0.001	0.001	0	0	0	0	0	0.001	0.001B	17
18	0B	0.011B	0.009B	0.001	0.001	0	0	0	0	0	0.001	0.001B	18
19	0B	0.013B	0.004B	0.001	0.001	0	0	0	0	0	0.001B	0.001B	19
20	0B	0.044B	0.003B	0.001	0.001	0	0	0	0	0	0.001B	0.001B	20
21	0B	0.149B	0.005B	0.001	0	0	0	0	0	0	0.001B	0.001B	21
22	0B	0.300B	0.003B	0.001	0	0.001	0	0	0	0	0.001B	0.001B	22
23	0B	0.192B	0.003	0.001	0	0.002	0	0	0	0	0.001B	0.001B	23
24	0B	0.110B	0.003	0.001	0	0.019	0	0	0	0	0.001B	0.001B	24
25	0B	0.027B	0.003	0.001	0.001	0.019	0	0	0	0	0.001B	0.001B	25
26	0B	0.019B	0.003	0.001	0.005	0.010	0	0	0	0	0.001B	0.001B	26
27	0B	0.009B	0.003	0.001	0.006	0.010	0	0	0	0	0.001B	0.001B	27
28	0B	0.005B	0.002	0.001	0.001	0.011	0	0	0	0	0.001B	0.001B	28
29	0B		0.002	0.001	0.001	0.021	0	0	0	0.001	0.001B	0.001B	29
30	0B		0.002	0.001	0	0.020	0	0	0	0.001	0.001B	0 B	30
31	0B		0.002		0		0	0		0.001		0 B	31
TOTAL	0	0.890	0.217	0.037	0.038	0.117	0.026	0	0	0.003	0.030	0.029	TOTAL
MEAN	0	0.032	0.007	0.001	0.001	0.004	0.001	0	0	0	0.001	0.001	MEAN
MAX	0	0.300	0.034	0.002	0.006	0.021	0.015	0	0	0.001	0.001	0.001	MAX
MIN	0	0	0.001	0.001	0	0	0	0	0	0	0.001	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.004
MAXIMUM DAILY, 0.300B ON FEB 22
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
0.765B AT 01:50 CST ON FEB 22

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 30 N
LONG 100 18 20 W
DRAINAGE AREA, 6 630 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	2.25
FEB	76.9	AUG	0
MAR	18.7	SEP	0
APR	3.20	OCT	0.26
MAY	2.94	NOV	2.59
JUN	10.1	DEC	2.51

TOTAL DISCHARGE, 119 dam³

PLUM LAKE NEAR FINDLAY - STATION NO. 05NG009

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	1
2	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	2
3	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	3
4	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	4
5	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	5
6	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	6
7	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	7
8	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	8
9	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	9
10	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	10
11	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	11
12	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	12
13	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	13
14	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	14
15	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	15
16	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	16
17	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	17
18	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	18
19	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	19
20	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	20
21	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	21
22	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	22
23	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	23
24	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	24
25	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	25
26	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	26
27	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	27
28	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	28
29	---		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	29
30	---		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	30
31	---		DRY		DRY		DRY	DRY		DRY		---	31
MEAN	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MEAN
MAX	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MAX
MIN	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 50 N
LONG 100 45 51 W

REGULATED

DRAINAGE AREA, 5 150 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - WATERS EDGE APPROX. 1.0 km OUT FROM GAUGE MAR 01 TO OCT 31

PLUM RIVER NEAR ROSENFELD - STATION NO. 05OC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.158B	0.379	0	0.167	0	0	0	0	---	---	1
2	---	---	0.157B	0.363	0	0.130	0	0	0	0	---	---	2
3	---	---	0.156B	0.322	0	0.088	0	0	0	0	---	---	3
4	---	---	0.155B	0.281	0	0.074	0	0	0	0.096	---	---	4
5	---	---	0.154B	0.287	0	0.070	0	0	0	0.278	---	---	5
6	---	---	0.153B	0.293	0	0.039	0	0	0	0.240	---	---	6
7	---	---	0.152B	0.284	0	0.020	0	0	0.004	0.180	---	---	7
8	---	---	0.175B	0.266	0	0.003	0	0	0.014	0.105	---	---	8
9	---	---	0.200B	0.246	0	0	0	0	0.035	0.057	---	---	9
10	---	---	0.251B	0.237	0	0	0	0	0.047	0.049	---	---	10
11	---	---	0.750B	0.221	0	0	0	0	0.036	0.017	---	---	11
12	---	---	1.25 B	0.203	0	0	0	0	0.015	0.052	---	---	12
13	---	---	1.75 B	0.190	0	0	0	0	0	0.245	---	---	13
14	---	---	2.50 B	0.169	0	0	0	0	0	0.345	---	---	14
15	---	---	2.48 B	0.139	0	0.013	0	0	0	0.439	---	---	15
16	---	---	2.46 B	0.114	0	0.023	0	0	0	0.415	---	---	16
17	---	---	2.43 B	0.097	0	0.027	0	0	0	0.355	---	---	17
18	---	---	2.40 B	0.081	0	0.045	0	0	0	0.263	---	---	18
19	---	---	2.38 B	0.067	0	0.044	0	0	0	0.161	---	---	19
20	---	---	2.15 B	0.054	0	0.050	0	0	0	0.069	---	---	20
21	---	---	1.93 B	0.044	0	0.038	0	0	0	0.009	---	---	21
22	---	---	1.70 B	0.039	0	0.021	0	0	0	0	---	---	22
23	---	---	1.48 B	0.034	0	0.009	0	0.003	0	0	---	---	23
24	---	---	1.25 B	0.029	0.001	0.029	0	0.020	0	0	---	---	24
25	---	---	1.02 E	0.028	0.621	0.014	0	0.022	0	0	---	---	25
26	---	---	0.798E	0.027	0.667	0	0	0.014	0	0	---	---	26
27	---	---	0.572A	0.028	0.470	0	0	0	0	0	---	---	27
28	---	---	0.555	0.025	0.397	0.019	0	0	0	0	---	---	28
29	---		0.516	0.017	0.585	0.023	0	0	0	0	---	---	29
30	---		0.437	0.003	0.424	0	0	0	0	0	---	---	30
31	---		0.394		0.250		0	0		0		---	31
TOTAL	---	---	32.913	4.567	3.375	0.946	0	0.059	0.151	3.375	---	---	TOTAL
MEAN	---	---	1.06	0.152	0.109	0.032	0	0.002	0.005	0.109	---	---	MEAN
MAX	---	---	2.50	0.379	0.667	0.167	0	0.022	0.047	0.439	---	---	MAX
MIN	---	---	0.152	0.003	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.185
MAXIMUM DAILY, 2.50B ON MAR 14
MINIMUM DAILY, 0 ON MAY 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 24 00 W
DRAINAGE AREA, 782 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	5.10
MAR	2 840	SEP	13.0
APR	395	OCT	292
MAY	292	NOV	---
JUN	81.7	DEC	---

TOTAL DISCHARGE, 3 920 dam³

POPLAR RIVER AT OUTLET OF WEAVER LAKE - STATION NO. 05RE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0	12.0	11.3	9.80	15.4	35.2	89.0E	84.1E	25.5E	12.0	25.2E	25.3E	1
2	14.8	11.9	11.1	9.94	16.4	35.6	90.4E	83.3E	24.3E	12.0	27.8E	26.1E	2
3	14.7	12.0	11.1	10.0	17.0	36.0	91.9E	82.6E	22.0E	11.8	30.0E	27.0E	3
4	14.6	11.7	11.0	10.1	17.9	36.1	92.6E	80.0E	21.4E	12.1	31.2E	27.8E	4
5	14.8	11.8	10.9	10.2	18.6	34.8	92.9A	78.3E	20.0E	11.6	32.2E	28.5E	5
6	14.7	11.8	10.8	10.2	19.5	36.8	92.2E	75.8E	19.5E	11.7	33.1E	30.9E	6
7	14.5	11.8	10.9	10.2	20.6	37.4	89.8E	73.0E	19.0E	11.5	32.5E	33.5E	7
8	14.5	11.6	10.7	10.3	21.5	35.7	88.3E	71.8E	18.9E	11.5	30.8E	33.9E	8
9	14.4	11.6	10.7	10.4	21.4	35.1	87.0E	67.3E	18.6E	11.9	30.8E	34.7E	9
10	14.4	11.4	10.6	10.4	22.6	34.3	86.2E	64.5E	18.7E	13.0	29.6E	36.3E	10
11	14.3	11.3	10.6	10.5	23.4	35.6	84.2E	61.6E	18.4E	12.8	29.3E	38.0E	11
12	14.5	11.4	10.5	10.6	24.4	37.0	80.9E	59.0E	18.5E	12.3	28.1E	38.5E	12
13	14.5	11.5	10.5	10.6	25.0	38.2	79.2E	55.8E	18.0E	12.5	26.9E	40.2E	13
14	14.5	11.7	10.5	10.7	25.8	38.5	78.1E	52.3E	17.5E	12.8	26.1E	40.6E	14
15	14.5	12.0	10.3	10.8	27.3	39.4	76.3E	50.4E	16.9E	12.4	25.2E	41.1E	15
16	14.3	12.0	10.2	10.9	26.8	40.4	79.9E	47.8E	16.2E	12.8	25.2E	41.5E	16
17	14.3	12.0	10.0	11.0	26.4	43.5	84.2E	46.4E	15.5E	13.5	25.5E	41.5E	17
18	14.1	12.1	9.92	11.2	26.5	43.1	83.5E	44.4E	14.7E	13.9	26.1E	41.1E	18
19	13.9	12.1	9.91	11.4	26.5	48.0A	82.3E	42.9E	14.0E	13.9A	25.5E	41.1E	19
20	13.8	12.0	9.88	11.3	26.7	51.3E	80.5E	44.4E	13.3E	13.8E	24.7E	42.3E	20
21	13.8	12.0	9.88	11.5	27.1	53.4E	79.2E	42.9E	12.4E	13.8E	23.7E	43.2E	21
22	13.7	12.0	9.71	11.6	28.5	54.7E	78.1E	41.4E	11.6E	13.7E	23.2E	43.7E	22
23	13.5	11.9	9.69	11.8	29.9	56.1E	77.7E	39.5E	10.8E	13.7E	23.2E	43.2E	23
24	13.5	11.8	9.74	12.0	30.4	59.4E	82.7E	37.3E	10.5E	13.7E	23.2E	44.9E	24
25	13.3	11.7	9.64	12.3	31.2	67.1E	81.3E	35.0E	10.2E	13.6E	22.9E	47.2E	25
26	12.8	11.5	9.53	12.7	31.3	72.1E	80.1E	32.5E	11.2E	13.6E	23.2E	43.7E	26
27	12.8	11.5	9.53	13.1	31.8	75.1E	79.0E	30.5E	11.7E	13.6E	23.2E	41.1E	27
28	12.7	11.4	9.66	13.6	32.6	79.4E	76.6E	28.7E	12.0E	13.5E	23.4E	38.9E	28
29	12.4		9.73	14.2	33.2	83.2E	73.8E	26.6E	12.1A	13.5E	24.2E	36.7E	29
30	12.4		9.67	14.8	33.7	86.6E	75.1E	24.7E	12.0	13.4E	24.7E	34.5E	30
31	12.3		9.78		34.8		83.3E	24.4E		19.8E		32.7E	31
TOTAL	432.3	329.5	317.97	338.14	794.2	1 459.1	2 576.3	1 629.2	485.4	405.7	800.7	1 159.7	TOTAL
MEAN	13.9	11.8	10.3	11.3	25.6	48.6	83.1	52.6	16.2	13.1	26.7	37.4	MEAN
MAX	15.0	12.1	11.3	14.8	34.8	86.6	92.9	84.1	25.5	19.8	33.1	47.2	MAX
MIN	12.3	11.3	9.53	9.80	15.4	34.3	73.8	24.4	10.2	11.5	22.9	25.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.4
MAXIMUM DAILY, 92.9A ON JUL 5
MINIMUM DAILY, 9.53 ON MAR 26

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 96 45 10 W
DRAINAGE AREA, 6 790 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 400	JUL	223 000
FEB	28 500	AUG	141 000
MAR	27 500	SEP	41 900
APR	29 200	OCT	35 100
MAY	68 600	NOV	69 200
JUN	126 000	DEC	100 000

TOTAL DISCHARGE, 927 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	---	---	---	---	---	---	1
2	---	---	0	0	0	0	---	---	---	---	---	---	2
3	---	---	0	0	0	0	---	---	---	---	---	---	3
4	---	---	0	0	0	0	---	---	---	---	---	---	4
5	---	---	0	0	0	0	---	---	---	---	---	---	5
6	---	---	0	0	0	0	---	---	---	---	---	---	6
7	---	---	0	0	0	0	---	---	---	---	---	---	7
8	---	---	0	0	0	0	---	---	---	---	---	---	8
9	---	---	0	0	0	0	---	---	---	---	---	---	9
10	---	---	0	0	0	0	---	---	---	---	---	---	10
11	---	---	0	0	0	0	---	---	---	---	---	---	11
12	---	---	0	0	0	0	---	---	---	---	---	---	12
13	---	---	0	0	0	0	---	---	---	---	---	---	13
14	---	---	0	0	0	0	---	---	---	---	---	---	14
15	---	---	0	0	0	0	---	---	---	---	---	---	15
16	---	---	0	0	0	0	---	---	---	---	---	---	16
17	---	---	0	0	0	0	---	---	---	---	---	---	17
18	---	---	0	0	0	0	---	---	---	---	---	---	18
19	---	---	0	0	0	0	---	---	---	---	---	---	19
20	---	---	0	0	0	0	---	---	---	---	---	---	20
21	---	---	0	0	0	0	---	---	---	---	---	---	21
22	---	---	0	0	0	0	---	---	---	---	---	---	22
23	---	---	0	0	0	0	---	---	---	---	---	---	23
24	---	---	0	0	0	0	---	---	---	---	---	---	24
25	---	---	0	0	0	0	---	---	---	---	---	---	25
26	---	---	0	0	0	0	---	---	---	---	---	---	26
27	---	---	0	0	0	0	---	---	---	---	---	---	27
28	---	---	0	0	0	0	---	---	---	---	---	---	28
29	---		0	0	0	0	---	---	---	---	---	---	29
30	---		0	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---		---	31
TOTAL	---	---	0	0	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	0	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 50 W

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.543A	260.609	261.250	260.842A	264.572A	264.658	264.757	264.556	264.616	260.614	260.589A	260.755	1
2	260.726A	260.690	261.190	261.137A	264.734A	264.663	264.756	264.552	264.582	260.449	260.436A	260.711	2
3	260.711A	260.705	261.159	261.686A	264.868A	264.670	264.752	264.542	264.579	260.518	260.482A	260.755	3
4	260.604A	260.758	261.059	261.686A	264.917A	264.679	264.745	264.529	264.728	260.641	260.653A	260.808	4
5	260.299A	260.730	260.958	261.710A	264.658A	264.686	264.731	264.536	264.750	260.566	260.758	260.871	5
6	260.299A	260.566	260.987	261.720A	264.576A	264.690	264.727	264.556	264.722	260.433	260.777	261.163	6
7	260.604A	260.696	261.068	261.726A	264.725A	264.701	264.699	264.565	264.572A	260.592	260.695	261.217	7
8	260.695A	260.773	261.126	261.747A	264.628	264.695	264.644	264.562	264.466A	260.652	260.613	260.548	8
9	260.574A	260.742	261.093	261.768A	264.662	264.693	264.589	264.566	264.435A	260.636	260.647	260.516	9
10	260.695A	260.726	261.180	261.765A	264.680	264.693	264.520	264.568	264.444A	260.655	260.683	260.642	10
11	260.482A	260.716	261.187	261.747A	264.683	264.691	264.482	264.560	264.277A	260.632	260.694	260.703	11
12	260.543A	260.644	261.200	261.930A	264.679	264.691	264.544	264.543	263.935A	260.575	260.771	260.708A	12
13	260.574A	260.587	261.201	262.143A	264.608	264.687	264.584	264.533	263.372A	260.597	260.818	260.710E	13
14	260.543A	260.584	261.206	262.381A	264.636	264.693	264.606	264.520	262.418A	260.607	260.861	260.711	14
15	260.695A	260.638	261.226	262.372A	264.613	264.697	264.612	264.513	261.214A	260.595	260.914	260.793	15
16	260.665A	260.684	261.250	262.375A	264.547	264.703	264.615	264.505	260.558A	260.608	260.864	260.698	16
17	260.726A	260.707	261.292	262.371	264.530	264.708	264.602	264.503	260.391A	260.705	260.815	260.628	17
18	260.726A	260.658	261.323	262.352	264.534	264.695	264.599	264.502	260.360A	260.678	260.789	260.477	18
19	260.634A	260.684	261.293	262.334	264.538	264.697	264.591	264.500	260.363A	260.540	260.781	260.650	19
20	260.680A	260.861	261.331	262.333	264.526	264.694	264.577	264.496	260.375A	260.653	260.620	260.876	20
21	260.740	260.979	261.282	262.325	264.513	264.697	264.564	264.493	260.275A	260.602	260.373	260.893	21
22	260.705	260.973	261.297	262.314	264.509	264.704	264.551	264.489	260.363A	260.573	260.585	260.756	22
23	260.697	260.922	261.197	262.326	264.529	264.716	264.544	264.489	260.346	260.501	260.733	260.780	23
24	260.756	261.064	261.143	262.616	264.544	264.741	264.532	264.495	260.478	260.570	260.848	260.843	24
25	260.729	261.173	261.236	262.985	264.543	264.752	264.523	264.505	260.444	260.425	261.103	260.685	25
26	260.772	261.041	261.164	263.356	264.533	264.757	264.522	264.534	260.616	260.553	260.896	260.640	26
27	260.787	260.970	261.158	263.675	264.531	264.764	264.521	264.615	260.487	261.143A	260.551	260.790	27
28	260.720	261.221	261.183	263.939	264.579	264.757	264.515	264.750	260.633	260.933A	260.672	260.782	28
29	260.657		261.260	264.190	264.617	264.753	264.508	264.748	260.591	260.604A	260.725	260.793	29
30	260.681		261.270	264.405A	264.647	264.748	264.517	264.690	260.704	260.485A	260.590	260.833	30
31	260.548		261.561A		264.658		264.546	264.640		260.467A		260.677	31
MEAN	260.639	260.789	261.204	262.342	264.617	264.706	264.599	264.553	262.270	260.607	260.711	260.755	MEAN
MAX	260.787	261.221	261.561	264.405	264.917	264.764	264.757	264.750	264.750	261.143	261.103	261.217	MAX
MIN	260.299	260.566	260.958	260.842	264.509	264.658	264.482	264.489	260.275	260.425	260.373	260.477	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 262.326
MAXIMUM DAILY, 264.917A ON MAY 4
MINIMUM DAILY, 260.275A ON SEP 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 98 20 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1970

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RAT CREEK NEAR MACDONALD - STATION NO. 05LL021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.048B	0.093	0	0.049	0.005	0	0	0	---	---	1
2	---	0 B	0.039B	0.092	0	0.040	0.004	0	0	0	---	---	2
3	---	0 B	0.025B	0.079	0.013	0.033	0.005	0	0	0	---	---	3
4	---	0 B	0.022B	0.067A	0.063	0.030	0.006	0	0	0.002	---	---	4
5	---	0 B	0.019B	0.065A	0.058	0.028	0.006	0	0	0	---	---	5
6	---	0 B	0.015B	0.054A	0.050	0.044	0.003	0	0.005	0	---	---	6
7	---	0 B	0.010B	0.049A	0.043	0.042	0.002	0	0.002	0	---	---	7
8	---	0 B	0.022B	0.041A	0.040	0.028	0.001	0	0	0	---	---	8
9	---	0 B	0.015B	0.039A	0.034	0.022	0.001	0	0	0	---	---	9
10	---	0 B	0.010B	0.037A	0.029	0.018	0.001	0	0	0	---	---	10
11	---	0 B	0.001B	0.035A	0.025	0.014	0.002	0	0	0.062	---	---	11
12	---	0 B	0.012B	0.033A	0.027	0.013	0.002	0	0	0.095	---	---	12
13	---	0 B	0.026B	0.030A	0.026	0.015	0.002	0	0	0.081	---	---	13
14	---	0 B	0.044B	0.027A	0.022	0.014	0.001	0	0	0.064	---	---	14
15	---	0 B	0.044B	0.023A	0.021	0.013	0.001	0	0	0.042	---	---	15
16	---	0 B	0.035B	0.022A	0.015	0.008	0	0	0	0.031	---	---	16
17	---	0 B	0.030B	0.015A	0.018	0.009	0	0	0	0.019	---	---	17
18	---	0 B	0.040B	0.010A	0.015	0.011	0	0	0	0.016	---	---	18
19	---	0 B	0.046B	0.009A	0.015	0.011	0	0	0	0.023	---	---	19
20	---	0 B	0.041B	0.009A	0.012	0.010	0	0	0	0.014	---	---	20
21	---	0.047B	0.033B	0.008A	0.012	0.005	0	0	0	0.011	---	---	21
22	---	0.090B	0.032B	0.008A	0.018	0.005	0	0	0	0.010	---	---	22
23	---	0.147B	0.028B	0.008A	0.018	0.004	0	0	0	0.009	---	---	23
24	---	0.146B	0.021B	0.006A	0.023	0.004	0	0	0	0.008	---	---	24
25	---	0.131B	0.028A	0.003A	0.022	0.003	0	0	0	0.007	---	---	25
26	---	0.113B	0.037A	0.004A	0.018	0.003	0	0	0.006	0.006	---	---	26
27	---	0.089B	0.049A	0.004A	0.017	0.006	0	0	0	0.005	---	---	27
28	---	0.075B	0.059A	0	0.071	0.006	0	0	0	0.004	---	---	28
29	---		0.070A	0	0.096	0.007	0	0	0	0.004	---	---	29
30	---		0.082A	0	0.067	0.006	0	0	0	0.004	---	---	30
31	---		0.092		0.057		0	0.003		0.002		---	31
TOTAL	---	0.838	1.075	0.870	0.945	0.501	0.042	0.003	0.013	0.519	---	---	TOTAL
MEAN	---	0.030	0.035	0.029	0.030	0.017	0.001	0	0	0.017	---	---	MEAN
MAX	---	0.147	0.092	0.093	0.096	0.049	0.006	0.003	0.006	0.095	---	---	MAX
MIN	---	0	0.001	0	0	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.016
MAXIMUM DAILY, 0.096 ON MAY 29
MINIMUM DAILY, 0 ON APR 28
MAXIMUM INSTANTANEOUS,
0.160 AT 00:00 CST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 19 N
LONG 98 27 51 W
DRAINAGE AREA, 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.63
FEB	72.4	AUG	0.26
MAR	92.9	SEP	1.12
APR	75.2	OCT	44.8
MAY	81.6	NOV	---
JUN	43.3	DEC	---

TOTAL DISCHARGE, 343 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

RAT RIVER BELOW NOTIGI CONTROL STRUCTURE - STATION NO. 05TF003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	244.771	244.713	244.420	244.050	244.164	244.836	244.844	244.644	242.996	242.787	242.935	1
2	---	244.789	244.692	244.422	244.058	244.195	244.850	244.841	244.622	242.985	242.789	242.942	2
3	---	244.837	244.685	244.439	244.058	244.260	244.853	244.846	244.595	242.968	242.792	242.940	3
4	---	244.877	244.677	244.443	244.061	244.293	244.857	244.865	244.555	242.918	242.805	242.935	4
5	---	244.892	244.664	244.449	244.068	244.320	244.847	244.867	244.479	242.895	242.827	242.935	5
6	---	244.884	244.665	244.454	244.098	244.348	244.857	244.863	244.430	242.874	242.846	242.941	6
7	---	244.902	244.664	244.463	244.151	244.368	244.866	244.865	244.390	242.861	242.850	242.942	7
8	---	244.946	244.655	244.462	244.186	244.381	244.866	244.850	244.360	242.855	242.847	242.940	8
9	---	245.010	244.647	244.462	244.215	244.399	244.844	244.842	244.323	242.858	242.863	242.940	9
10	---	245.080	244.636	244.460	244.249	244.422	244.844	244.840	244.293	242.850	242.869	242.950	10
11	---	245.099	244.635	244.455	244.281	244.459	244.847	244.832	244.228	242.828	242.877	242.973	11
12	---	245.104	244.631	244.456	244.295	244.502	244.847	244.829	244.139	242.816	242.884	242.976	12
13	---	245.094	244.607	244.444	244.273	244.539	244.847	244.823	244.078	242.820	242.879	242.976	13
14	---	245.087	244.599	244.416	244.256	244.566	244.846	244.824	244.028	242.818	242.881	242.978	14
15	245.010A	245.071	244.581	244.398	244.237	244.583	244.854	244.823	243.989	242.818	242.891	242.973	15
16	245.003	245.042	244.575	244.360	244.218	244.610	244.859	244.821	243.951	242.825	242.898	242.990	16
17	244.989	245.023	244.556	244.331	244.204	244.655	244.851	244.818	243.886	242.820	242.901	243.026	17
18	244.969	245.004	244.542	244.298	244.185	244.674	244.855	244.814	243.759	242.817	242.901	243.079	18
19	244.949	244.977	244.540	244.272	244.165	244.703	244.861	244.817	243.608	242.820	242.902	243.131	19
20	244.937	244.957	244.539	244.264	244.146	244.723	244.857	244.828	243.512	242.811	242.916	243.144	20
21	244.915	244.937	244.536	244.252	244.122	244.737	244.859	244.840	243.444	242.808	242.922	243.134	21
22	244.899	244.911	244.526	244.219	244.090	244.741	244.847	244.852	243.379	242.804	242.927	243.109	22
23	244.880	244.889	244.512	244.196	244.071	244.750	244.849	244.854	243.309	242.806	242.930	243.116	23
24	244.859	244.878	244.510	244.167	244.049	244.772	244.860	244.849	243.236	242.798	242.924	243.112	24
25	244.843	244.865	244.498	244.149	244.029	244.786	244.851	244.843	243.193	242.794	242.929	243.114	25
26	244.822	244.842	244.485	244.129	244.021	244.800	244.850	244.846	243.152	242.803	242.936	243.127	26
27	244.810	244.783	244.473	244.112	244.044	244.803	244.860	244.842	243.106	242.800	242.933	243.160	27
28	244.799	244.746	244.459	244.102	244.072	244.808	244.866	244.808	243.085	242.808	242.930	243.223A	28
29	244.792		244.444	244.078	244.120	244.812	244.865	244.738	243.059	242.809	242.933	---	29
30	244.787		244.434	244.058	244.140	244.823	244.859	244.696	243.029	242.808	242.934	---	30
31	244.778		244.427		244.154		244.848	244.663		242.796		---	31
MEAN	---	244.939	244.574	244.321	244.141	244.567	244.853	244.825	243.862	242.841	242.883	---	MEAN
MAX	---	245.104	244.713	244.463	244.295	244.823	244.866	244.867	244.644	242.996	242.936	---	MAX
MIN	---	244.746	244.427	244.058	244.021	244.164	244.836	244.663	243.029	242.794	242.787	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 242.787 ON NOV 1

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 37 N
LONG 99 17 34 W

A - MANUAL GAUGE

REGULATED SINCE 1976

DRAINAGE AREA,
6 090 km²

RAT RIVER NEAR OTTERBURNE - STATION NO. 05OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.028B	0.038B	0.322B	2.40 B	0.737	2.03	2.25	0.124	0.069	1.74	3.30	1.43 B	1
2	0.026B	0.029B	0.340B	2.61 B	0.762	1.64	2.09	0.103	0.037	1.88	3.29	1.55 B	2
3	0.024B	0.021B	0.407B	2.96 B	0.787	2.09	2.04	0.090	0.087	1.96	3.21	1.45 B	3
4	0.022B	0.021B	0.412B	3.24 B	0.776	2.13	2.01	0.088	0.078	2.06	3.10	1.35 B	4
5	0.020B	0.015B	0.384B	3.22 B	0.795	2.21	1.95	0.338	0.043	2.12	2.98	1.12 B	5
6	0.018B	0.009B	0.432B	2.11 B	0.778	2.11	1.88	0.450	0.061	2.13	2.89	1.23 B	6
7	0.016B	0.007B	0.573B	1.92	0.794	2.02	1.77	0.517	0.097	2.16	2.83	1.30 B	7
8	0.014B	0.007B	0.741B	1.93	0.822	1.91	1.61	0.568	0.336	2.21	2.75	1.30 B	8
9	0.012B	0.007B	0.727B	1.94	0.796	1.80	1.45	0.579	0.515	2.26	2.67	1.13 B	9
10	0.010B	0.007B	0.757B	1.92	0.828	1.73	1.29	0.650	0.499	2.40	2.56	1.06 B	10
11	0.008B	0.007B	0.849B	1.84	0.881	1.66	1.22	0.689	0.505	2.52	2.46	1.06 B	11
12	0.006B	0.008B	0.968B	1.69	0.901	1.64	1.17	0.677	0.619	2.73	2.45	1.01 B	12
13	0.004B	0.008B	1.10 B	1.54	0.904	1.62	1.10	0.686	0.859	3.00	2.37	0.975B	13
14	0.002B	0.008B	1.10 B	1.39	0.883	1.63	1.02	0.617	0.972	3.01	2.30	0.933B	14
15	0.002B	0.011B	1.44 B	1.26	0.868	1.67	0.950	0.619	1.00	3.16	2.23	0.848B	15
16	0.002B	0.015B	1.53 B	1.17	0.837	1.73	0.905	0.613	1.11	3.10	2.18	0.757B	16
17	0.002B	0.019B	1.67 B	1.12	0.796	1.79	0.847	0.607	1.19	3.09	2.12	0.668B	17
18	0.002B	0.032B	1.63 B	1.07	0.769	1.80	0.749	0.575	1.27	3.12	2.05	0.591B	18
19	0.002B	0.053B	1.57 B	1.01	0.743	1.68	0.663	0.618	1.36	3.11	1.99	0.526B	19
20	0.002B	0.115B	1.45 B	0.935	0.708	1.63	0.599	0.562	1.33	3.05	2.14B	0.473B	20
21	0.002B	0.162B	1.42 B	0.899	0.682	1.73	0.545	0.480	1.38	3.00	1.65B	0.441B	21
22	0.002B	0.278B	1.43 B	0.892	0.680	1.87	0.492	0.418	1.43	2.97	1.96B	0.410B	22
23	0.002B	0.567B	1.43 B	0.819	0.785	1.97	0.443	0.396	1.53	2.94	1.98B	0.374B	23
24	0.010B	0.646B	1.49 B	0.773	1.05	2.17	0.382	0.340	1.63	2.91	1.90B	0.344B	24
25	0.017B	0.415B	1.66 B	0.755	1.19	2.24	0.337	0.329	1.60	2.93	1.78B	0.326B	25
26	0.026B	0.652B	2.08 B	0.770	1.29	2.22	0.281	0.347	1.56	2.78	1.73B	0.296B	26
27	0.026B	0.460B	2.58 B	0.724	1.31	2.40	0.200	0.309	1.51	2.89	1.77B	0.281B	27
28	0.034B	0.325B	2.56 B	0.725	1.32	2.48	0.146	0.237	1.51	3.16	1.50B	0.270B	28
29	0.034B		2.66 B	0.745	1.87	2.35	0.124	0.183	1.55	3.17	1.55B	0.238B	29
30	0.039B		2.64 B	0.748	2.48	2.29	0.123	0.141	1.62	3.20	1.61B	0.197B	30
31	0.045B		2.51 B		2.00		0.151	0.117		3.31		0.161B	31
TOTAL	0.459	3.942	40.862	45.125	30.820	58.24	30.787	13.067	27.357	84.07	69.30	24.099	TOTA
MEAN	0.015	0.141	1.32	1.50	0.994	1.94	0.993	0.422	0.912	2.71	2.31	0.777	MEAN
MAX	0.045	0.652	2.66	3.24	2.48	2.48	2.25	0.689	1.63	3.31	3.30	1.55	MAX
MIN	0.002	0.007	0.322	0.724	0.680	1.62	0.123	0.088	0.037	1.74	1.50	0.161	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 3.31 ON OCT 31
MINIMUM DAILY, 0.002B ON JAN 14
MAXIMUM INSTANTANEOUS,
3.53B AT 15:30 CST ON NOV 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 26 W

DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	39.7	JUL	2 660
FEB	341	AUG	1 130
MAR	3 53[illegible]	SEP	2 360
APR	3 900	OCT	7 260
MAY	2 660	NOV	5 990
JUN	5 030	DEC	2 080

TOTAL DISCHARGE, 37 000 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05OE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.083B	1.49	0.652	1.82	1.79	0.098	0.174	1.83	---	---	1
2	---	---	0.083B	1.54	0.677	1.87	1.68	0.355	0.144	1.94	---	---	2
3	---	---	0.083B	1.56	0.718	1.92	1.70	0.326	0.043	1.95	---	---	3
4	---	---	0.083B	1.68	0.751	2.01	1.67	0.401	0.039	2.00	---	---	4
5	---	---	0.083B	1.56	0.758	1.99	1.57	0.474	0.065	2.04	---	---	5
6	---	---	0.083B	1.64	0.771	1.85	1.45	0.614	0.396	2.11	---	---	6
7	---	---	0.083B	1.72	0.781	1.67	1.29	0.697	0.441	2.19	---	---	7
8	---	---	0.083B	1.78	0.802	1.50	1.06	0.845	0.434	2.22	---	---	8
9	---	---	0.087E	1.78	0.847	1.41	0.919	0.926	0.573	2.26	---	---	9
10	---	---	0.089E	1.72	0.875	1.31	0.779	0.919	0.689	2.35	---	---	10
11	---	---	0.092E	1.56	0.854	1.19	0.792	0.863	0.897	2.45	---	---	11
12	---	---	0.098E	1.43	0.839	1.21	0.704	0.823	1.23	2.80	---	---	12
13	---	---	0.105E	1.27	0.817	1.30	0.629	0.850	1.45	2.91	---	---	13
14	---	---	0.121E	1.13	0.798	1.38	0.571	0.848	1.56	3.14	---	---	14
15	---	---	0.132E	1.03	0.728	1.49	0.517	0.818	1.67	3.17	---	---	15
16	---	---	0.154E	0.983	0.700	1.47	0.335	0.744	1.74	3.15	---	---	16
17	---	---	0.161E	0.912	0.683	1.33	0.278	0.721	1.84	3.14	---	---	17
18	---	---	0.166E	0.867	0.630	1.21	0.245	0.703	1.91	3.05	---	---	18
19	---	---	0.181E	0.835	0.617	1.30	0.224	0.549	1.99	3.00	---	---	19
20	---	---	0.240E	0.815	0.596	1.50	0.168	0.428	2.04	2.97	---	---	20
21	---	---	0.347E	0.750	0.587	1.68	0.153	0.420	1.98	2.96	---	---	21
22	---	---	0.409E	0.658	0.612	1.80	0.132	0.343	1.99	2.93	---	---	22
23	---	---	0.545E	0.652	0.680	2.02	0.093	0.415	2.02	2.89	---	---	23
24	---	---	0.657E	0.656	0.725	2.17	0.065	0.457	1.90	2.95	---	---	24
25	---	---	0.784E	0.653	0.917	2.21	0.056	0.318	1.80	2.63	---	---	25
26	---	---	0.927A	0.595	0.988	2.14	0.048	0.267	1.68	2.93	---	---	26
27	---	---	1.01	0.577	0.980	2.00	0.043	0.234	1.60	3.20	---	---	27
28	---	---	1.14	0.616	1.03	1.87	0.035	0.179	1.59	3.19	---	---	28
29	---		1.21	0.618	1.26	1.97	0.034	0.142	1.56	3.27	---	---	29
30	---		1.34	0.619	1.49	1.87	0.065	0.140	1.66	3.38A	---	---	30
31	---		1.40		1.70		0.117	0.270		3.40E		---	31
TOTAL	---	---	12.059	33.696	25.863	50.46	19.212	16.187	37.105	84.40	---	---	TOTAL
MEAN	---	---	0.389	1.12	0.834	1.68	0.620	0.522	1.24	2.72	---	---	MEAN
MAX	---	---	1.40	1.78	1.70	2.21	1.79	0.926	2.04	3.40	---	---	MAX
MIN	---	---	0.083	0.577	0.587	1.19	0.034	0.098	0.039	1.83	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.14
MAXIMUM DAILY, 3.40E ON OCT 31
MINIMUM DAILY, 0.034 ON JUL 29
MAXIMUM INSTANTANEOUS,
1.57 AT 20:59 CST ON OCT 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 04 N
LONG 96 56 39 W
DRAINAGE AREA, 901 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 660
FEB	---	AUG	1 400
MAR	1 040	SEP	3 210
APR	2 910	OCT	7 290
MAY	2 230	NOV	---
JUN	4 360	DEC	---

TOTAL DISCHARGE, 24 100 dam³

RAT RIVER NEAR SUNDOWN - STATION NO. 05OE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.129B	0.184B	0.450B	2.65 B	0.718	1.59	1.49	1.21	0.307	2.74	1.82	0.830B	1
2	0.147B	0.177B	0.398B	2.35 B	0.976	1.34	1.32	1.20	0.515	3.14	1.78	0.766B	2
3	0.159B	0.178B	0.319B	2.11 B	1.16	1.18	1.15	0.924	0.507	3.39	1.70	0.722B	3
4	0.156B	0.178B	0.312B	2.25 B	1.02	1.03	1.00	0.657	0.356	3.60	1.60	0.688B	4
5	0.151B	0.172B	0.275B	2.15 B	0.928	1.25	0.731	0.549	0.400	3.59	1.55	0.565B	5
6	0.157B	0.153B	0.243B	1.81 B	0.792	1.34	0.505	0.966	1.49	3.42	1.45	0.667B	6
7	0.169B	0.135B	0.252B	1.30	0.750	1.30	0.367	1.75	5.29	3.14	1.37	0.620B	7
8	0.166B	0.121B	0.291B	1.09	0.702	1.14	0.285	1.91	8.81	2.78	1.26	0.575B	8
9	0.148B	0.126B	0.339B	0.988	0.701	0.972	0.202	1.71	13.1	2.43	1.13 B	0.547B	9
10	0.140B	0.124B	0.370B	0.734	0.715	0.859	0.152	1.35	11.4	2.27	1.09	0.552B	10
11	0.130B	0.126B	0.379B	0.775	0.701	0.731	0.158	1.05	8.02	2.06	1.06	0.558B	11
12	0.111B	0.139B	0.367B	0.679	0.673	0.678	0.175	0.788	5.00	2.10	1.07	0.498B	12
13	0.103B	0.145B	0.382B	0.553	0.802	0.749	0.184	0.551	3.49	3.12	1.08	0.477B	13
14	0.093B	0.136B	0.464B	0.491	0.965	0.944	0.263	0.415	2.37	3.53	1.11	0.481B	14
15	0.093B	0.156B	0.554B	0.435	0.655	1.60	0.248	0.3 0	1.59	3.95	1.14	0.502B	15
16	0.106B	0.196B	0.568B	0.420	0.567	2.26	0.228	0.232	1.14	3.94	1.23	0.498B	16
17	0.110B	0.239B	0.563B	0.446	0.572	2.53	0.280	0.172	0.858	3.65	1.27	0.454B	17
18	0.144B	0.299B	0.557B	0.489	0.504	2.58	0.339	0.128	0.709	3.18	1.27	0.401B	18
19	0.150B	0.494B	0.534B	0.468	0.436	2.58	0.380	0.087	0.573	2.72	1.22	0.352B	19
20	0.159B	0.486B	0.417B	0.430	0.395	2.21	0.336	0.071	0.561	2.44	1.10 B	0.338B	20
21	0.178B	0.574B	0.373B	0.403	0.365	1.84	0.297	0.107	0.579	2.15	1.08 B	0.340B	21
22	0.174B	0.663B	0.379B	0.438	0.357	1.66	0.323	0.158	0.590	1.93	1.05 B	0.318B	22
23	0.193B	0.523B	0.376B	0.434	0.581	1.69	0.297	0.121	0.618	1.71	0.957B	0.294B	23
24	0.201B	0.663B	0.404B	0.460	1.29	2.04	0.241	0.114	0.757	1.54	0.891B	0.296B	24
25	0.218B	0.686B	0.554B	0.471	2.14	2.38	0.276	0.101	0.716	1.33	0.849B	0.288B	25
26	0.221B	0.578B	0.875B	0.499	2.45	2.31	0.252	0.099	0.711	1.39B	0.845B	0.283B	26
27	0.216B	0.506B	0.969B	0.876	2.55	2.11	0.280	0.127	1.01	1.32	0.851B	0.237B	27
28	0.194B	0.435B	1.34 B	0.849	2.52	1.94	0.227	0.096	1.30	1.33	0.846B	0.206B	28
29	0.190B		1.76 B	0.650	2.34	1.67	0.170	0.091	1.40	1.47	0.845B	0.187B	29
30	0.202B		2.23 B	0.658	2.13	1.56	0.153	0.098	1.44	1.57	0.837B	0.167B	30
31	0.205B		2.65 B		1.88		0.712	0.135		1.79		0.148B	31
TOTAL	4.913	8.592	19.944	28.356	33.335	48.063	13.121	17.298	75.607	78.72	35.351	13.855	TOTAL
MEAN	0.158	0.307	0.643	0.945	1.08	1.60	0.423	0.558	2.52	2.54	1.18	0.447	MEAN
MAX	0.221	0.686	2.65	2.65	2.55	2.58	1.49	1.91	13.1	3.95	1.82	0.830	MAX
MIN	0.093	0.121	0.243	0.403	0.357	0.678	0.152	0.071	0.307	1.32	0.837	0.148	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 13.1 ON SEP 9
MINIMUM DAILY, 0.071 ON AUG 20
MAXIMUM INSTANTANEOUS,
13.6 AT 13:10 CST ON SEP 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 96 17 00 W
DRAINAGE AREA, 414 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	424	JUL	1 130
FEB	742	AUG	1 490
MAR	1 720	SEP	6 530
APR	2 450	OCT	6 800
MAY	2 880	NOV	3 050
JUN	4 150	DEC	1 200

TOTAL DISCHARGE, 32 600 dam³

RED DEER LAKE NEAR BARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	261.695	261.671	261.671	261.696	261.884	261.871	261.815	261.819	261.658	261.642	261.875	261.893	1
2	261.695	261.670	261.670	261.702	261.894	261.861	261.809	261.823	261.638	261.646	261.885	261.887	2
3	261.694	261.666	261.675	261.711	261.902	261.855	261.828	261.820	261.651	261.631	261.898	261.883	3
4	261.694	261.675	261.670	261.716	261.909	261.824	261.830	261.816	261.678	261.633	261.880	261.880	4
5	261.697	261.669	261.669	261.721	261.919	261.790	261.822	261.803	261.668	261.633	261.887	261.883	5
6	261.689	261.670	261.671	261.726	261.916	261.830	261.856	261.795	261.652	261.638	261.888	261.884	6
7	261.685	261.667	261.666	261.725	261.926	261.832	261.825	261.797	261.630	261.662	261.900	261.882	7
8	261.686	261.669	261.664	261.738	261.952	261.827	261.626	261.805	261.649	261.679	261.886	261.866	8
9	261.683	261.667	261.661	261.742	261.927	261.816	261.716	261.770	261.628	261.653	261.907	261.866	9
10	261.680	261.663	261.660	261.752	261.926	261.803	261.778	261.771	261.613	261.650	261.926	261.869	10
11	261.689	261.668	261.662	261.762	261.929	261.805	261.772	261.772	261.586	261.670	261.939	261.863	11
12	261.693	261.665	261.660	261.766	261.933	261.801	261.763	261.770	261.595	261.694	261.933	261.860	12
13	261.690	261.671	261.655	261.770	261.926	261.828	261.783	261.748	261.580	261.656	261.901	261.860	13
14	261.689	261.677	261.658	261.776	261.950	261.856	261.783	261.748	261.596	261.677	261.938	261.857	14
15	261.691	261.676	261.656	261.784	261.959	261.794	261.803	261.753	261.602	261.720	261.930	261.853	15
16	261.687	261.673	261.657	261.785	261.937	261.759	261.861	261.725	261.598	261.705	261.926	261.853	16
17	261.689	261.674	261.652	261.793	261.920	261.798	261.819	261.739	261.580	261.738	261.941	261.857	17
18	261.686	261.678	261.654	261.798	261.912	261.747	261.821	261.738	261.584	261.739	261.944	261.853	18
19	261.684	261.676	261.655	261.802	261.890	261.749	261.849	261.728	261.619	261.771	261.933	261.850	19
20	261.687	261.680	261.657	261.810	261.908	261.776	261.864	261.735	261.625	261.776	261.918	261.861	20
21	261.691	261.680	261.649	261.817	261.910	261.773	261.848	261.726	261.590	261.754	261.916	261.856	21
22	261.689	261.682	261.651	261.822	261.975	261.757	261.853	261.711	261.584	261.778	261.914	261.853	22
23	261.689	261.679	261.651	261.829	261.932	261.777	261.837	261.716	261.519	261.794	261.904	261.850	23
24	261.683	261.675	261.655	261.839	261.909	261.745	261.841	261.715	261.569	261.801	261.912	261.850	24
25	261.684	261.678	261.653	261.840	261.899	261.769	261.830	261.697	261.585	261.808	261.915	261.841	25
26	261.679	261.677	261.654	261.851	261.889	261.781	261.826	261.684	261.695	261.816	261.905	261.842	26
27	261.677	261.675	261.655	261.853	261.879	261.815	261.831	261.682	261.627	261.812	261.900	261.838	27
28	261.674	261.677	261.656	261.862	261.888	261.810	261.825	261.669	261.656	261.822	261.902	261.827	28
29	261.671		261.657	261.871	261.897	261.790	261.839	261.646	261.650	261.824	261.898	261.826	29
30	261.675		261.661	261.876	261.876	261.792	261.868	261.687	261.641	261.838	261.900	261.822	30
31	261.675		261.683		261.897		261.824	261.654		261.864		261.817	31
MEAN	261.686	261.673	261.660	261.785	261.915	261.801	261.814	261.744	261.618	261.727	261.910	261.857	MEAN
MAX	261.697	261.682	261.683	261.876	261.975	261.871	261.868	261.823	261.695	261.864	261.944	261.893	MAX
MIN	261.671	261.663	261.649	261.696	261.876	261.745	261.626	261.646	261.519	261.631	261.875	261.817	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 261.767
MAXIMUM DAILY, 261.975 ON MAY 22
MINIMUM DAILY, 261.519 ON SEP 23
MAXIMUM INSTANTANEOUS,
262.011 AT 18:49 CST ON MAY 22

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

RED DEER RIVER NEAR MOUTH, LAKE WINNIPEGOSIS - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.64B	3.39B	2.38B	8.46	15.2	15.5	15.4E	14.4	5.37	5.82	17.3	16.0 B	1
2	3.61B	3.36B	2.35B	8.23	16.9	16.1	15.2A	13.3	4.61	4.12	17.5	15.7 B	2
3	3.61B	3.32B	2.32B	8.31	12.7	15.8	15.0	13.2	11.3	6.91	17.5	15.6 B	3
4	3.58B	3.29B	2.29B	8.32	13.1	16.4	14.8	13.3	4.73	7.36	19.0	15.4 B	4
5	3.58B	3.25B	2.29B	8.56	18.4	20.6	15.1	13.6	4.84	7.00	19.9	15.1 B	5
6	3.55B	3.21B	2.29B	8.85	18.8	15.2	11.1	14.3	6.78	6.70	19.4	14.8 B	6
7	3.55B	3.18B	2.29B	11.1	19.2	14.9	14.3A	14.2	7.19	5.43	20.7	14.3 B	7
8	3.55B	3.14B	2.29B	10.2	19.0	15.1	13.9E	13.2	5.83	4.47	16.3	13.8 B	8
9	3.58B	3.11B	2.29B	9.84	19.9	15.2	13.3E	12.8	6.66	5.64	19.1	13.3 B	9
10	3.58B	3.07B	2.29B	9.86	18.9	16.1	12.7E	12.6	6.95	6.92	19.2	12.9 B	10
11	3.58B	3.03B	2.29B	10.6	19.9	14.8	12.2E	12.4	8.08	7.25	19.6	12.4 B	11
12	3.58B	3.00B	2.35B	10.0	20.3	12.5	11.8E	11.1	6.73	9.07	19.1	12.0 B	12
13	3.58B	2.96B	2.47B	9.00	20.7	12.3	11.4E	11.4	7.08	14.3	20.9	11.6 B	13
14	3.58B	2.92B	2.59B	10.6	20.2	11.5	11.3E	11.6	6.42	12.3	19.3	11.4 B	14
15	3.58B	2.89B	2.71B	10.8	17.0	13.1	11.4E	9.23	6.08	11.2	19.0	11.1 B	15
16	3.58B	2.85B	2.83B	11.0	16.8	12.8	11.6E	9.60	5.26	12.3	20.0	10.8 B	16
17	3.59B	2.82B	2.95B	11.6	18.4	13.6	13.0E	9.98	5.18	15.6	17.9	10.7 B	17
18	3.59B	2.78B	3.10B	12.1	19.5	20.0	14.4E	8.73	5.90	15.0	17.6B	10.4 B	18
19	3.59B	2.74B	3.31B	12.2	20.3	12.9	15.9E	9.62	4.62	12.9	17.5B	10.3 B	19
20	3.59B	2.71B	3.52B	11.9	20.1	11.5	16.8E	8.78	1.74	13.8	17.4B	10.2 B	20
21	3.61B	2.67B	3.76B	12.9	19.9	10.5	16.7E	8.15	1.93	13.8	17.3B	10.2 B	21
22	3.61B	3.64B	4.03B	13.4	19.4	11.1	16.4E	8.88	2.50	15.0	17.2B	10.2 B	22
23	3.61B	2.60B	4.36B	13.1	18.4	10.8	15.9E	8.89	5.70	13.4	17.0B	10.1 B	23
24	3.61B	2.56B	4.93B	12.4	19.0	14.6	15.6E	7.85	5.32	14.1	16.9B	10.4 B	24
25	3.61B	2.53B	5.51B	13.5	18.5	15.8	15.4E	8.18	3.71	13.5	16.8B	9.98B	25
26	3.61B	2.50B	6.07B	14.2	18.3	12.9	15.2E	8.36	8.71	15.8	16.7B	9.94B	26
27	3.58B	2.47B	6.66B	14.4	18.4	14.7	15.2E	7.95	9.91	15.8	16.6B	9.90B	27
28	3.54B	2.41B	6.98B	14.5	18.3	14.7	14.9E	7.40	4.28	15.6	16.4B	9.81B	28
29	3.50B		7.28B	15.0	20.4	15.6A	14.9A	8.15	3.27	13.9	16.3B	9.77B	29
30	3.47B		7.62	15.7	18.3	15.5E	12.5	6.42	5.00	15.1	16.2B	9.73B	30
31	3.43B		8.74		15.1		15.7	9.88		17.4		9.64B	31
TOTAL	110.85	82.40	117.14	340.63	569.3	432.1	439.0	327.45	171.68	347.49	541.6	367.47	TOTAL
MEAN	3.58	2.94	3.78	11.4	18.4	14.4	14.2	10.6	5.72	11.2	18.1	11.9	MEAN
MAX	3.64	3.64	8.74	15.7	20.7	20.6	16.8	14.4	11.3	17.4	20.9	16.0	MAX
MIN	3.43	2.41	2.29	8.23	12.7	10.5	11.1	6.42	1.74	4.12	16.2	9.64	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.5
MAXIMUM DAILY, 20.9 ON NOV 13
MINIMUM DAILY, 1.74 ON SEP 20
MAXIMUM INSTANTANEOUS,
25.0 AT 19:00 CST ON NOV 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 45 N
LONG 101 02 35 W
DRAINAGE AREA, 14 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 580	JUL	37 900
FEB	7 120	AUG	28 300
MAR	10 100	SEP	14 800
APR	29 400	OCT	30 000
MAY	49 200	NOV	46 800
JUN	37 300	DEC	31 700

TOTAL DISCHARGE, 332 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC021

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	222.252	222.314	223.348	222.336	223.914	223.797	223.698	223.861	223.731	223.222	222.568	1
2	---	222.257	222.339	223.318	222.383	223.853	223.810	223.656	223.764	223.711	223.132	222.581	2
3	---	222.268	222.355	223.183	222.578	223.729	223.910	223.654	223.711	223.718	223.000	222.600	3
4	---	222.281	222.369	223.038	222.767	223.692	224.081	223.692	223.677	223.733	222.877	222.563	4
5	---	222.289	222.385	222.907	222.956	223.673	224.162	223.758	223.630	223.718	222.791	222.550	5
6	---	222.293	222.410	222.825	223.200	223.644	224.128	223.769	223.736	223.693	222.710	222.569	6
7	---	222.292	222.435	222.773	223.513	223.675	223.996	223.687	223.798	223.682	222.671	222.560	7
8	---	222.291	222.458	222.737	223.771	223.679	223.915	223.688	223.810	223.745	222.653	222.540	8
9	---	222.296	222.477	222.715	223.841	223.658	223.870	223.702	223.803	223.814	222.653	222.526	9
10	---	222.311	222.482	222.693	223.863	223.650	223.842	223.724	223.777	223.808	222.640	222.529	10
11	---	222.331	222.468	222.667	223.800	223.643	223.821	223.746	223.756	223.802	222.638	222.545	11
12	---	222.351	222.448	222.643	223.742	223.654	223.782	223.781	223.779	223.849	222.632	222.504	12
13	222.202A	222.364	222.432	222.603	223.725	223.687	223.750	223.811	223.942	223.781	222.625	222.467	13
14	222.199	222.362	222.422	222.578	223.743	223.728	223.728	223.828	224.015	223.775	222.619	222.455	14
15	222.196	222.349	222.429	222.555	223.787	223.733	223.710	223.824	223.964	223.824	222.625	222.439	15
16	222.201	222.332	222.465	222.532	223.745	223.704	223.731	223.796	223.916	223.840	222.627	222.429	16
17	222.210	222.306	222.536	222.507	223.694	223.679	223.737	223.761	223.803	223.861	222.630	222.422	17
18	222.214	222.280	222.610	222.497	223.686	223.706	223.755	223.731	223.778	223.891	222.631	222.411	18
19	222.212	222.254	222.666	222.480	223.681	223.705	223.755	223.638	223.766	223.943	222.629	222.406	19
20	222.210	222.240	222.706	222.486	223.666	223.725	223.764	223.588	223.718	223.989	222.642	222.415	20
21	222.211	222.226	222.719	222.482	223.645	223.726	223.745	223.606	223.700	223.919	222.633	222.411	21
22	222.212	222.215	222.725	222.450	223.659	223.747	223.729	223.662	223.700	223.846A	222.628	222.406	22
23	222.209	222.209	222.722	222.425	223.764	223.744	223.729	223.695	223.685	223.754	222.621	222.399	23
24	222.207	222.208	222.720	222.409	223.766	223.736	223.767	223.705	223.635	223.686	222.618	222.395	24
25	222.207	222.212	222.735	222.390	223.676	223.738	223.770	223.681	223.636	223.660	222.621	222.398	25
26	222.221	222.222	222.788	222.371	223.679	223.727	223.740	223.670	223.684	223.583	222.597	222.407	26
27	222.222	222.254	222.836	222.353	223.722	223.738	223.704	223.677	223.699	223.520	222.552	222.416	27
28	222.219	222.286	222.874	222.348	223.757	223.831	223.693	223.700	223.688	223.427	222.517	222.429	28
29	222.222		222.904	222.333	223.987	223.860	223.702	223.757	223.688	223.361	222.479	222.442	29
30	222.233		222.986	222.328	224.123	223.817	223.712	223.809	223.704	223.330	222.516	222.448	30
31	222.248		223.171		223.969		223.729	223.871		223.279		222.450	31
MEAN	---	222.280	222.593	222.632	223.556	223.727	223.809	223.721	223.761	223.718	222.681	222.474	MEAN
MAX	---	222.364	223.171	223.348	224.123	223.914	224.162	223.871	224.015	223.989	223.222	222.600	MAX
MIN	---	222.208	222.314	222.328	222.336	223.643	223.693	223.588	223.630	223.279	222.479	222.395	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 224.162 ON JUL 5

MAXIMUM INSTANTANEOUS,
224.174 AT 15:05 CST ON JUL 5

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 10 N
LONG 97 08 00 W

A - MANUAL GAUGE

REGULATED

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.64B	7.39B	22.2B	107	27.3	87.7	68.9	42.8	44.9	26.6	67.0	36.2B	1
2	8.58B	7.28B	25.6B	88.1	28.1	72.3	121	43.6	39.8	25.8	65.2	33.4B	2
3	8.58B	7.19B	28.9B	77.6	28.3	60.4	172	44.0	35.0	25.8	64.5	30.9B	3
4	8.52B	7.14B	32.6B	74.2	28.2	49.9	173	44.0	30.5	26.0	63.8	29.4B	4
5	8.52B	7.08B	36.0B	73.0	28.6	40.5A	157	44.8	47.9	28.6	62.8	30.3B	5
6	8.52B	7.02B	37.9B	72.1	29.2	37.3	129	45.1	62.7	37.9	62.1	31.7B	6
7	8.52B	7.02B	38.8B	70.6	29.8	35.0	108	43.4	63.8	50.6	60.2	32.6B	7
8	8.47B	6.97B	38.8B	69.5	30.2	34.1	91.6	41.4	58.7	55.2	57.4	33.1B	8
9	8.47B	6.97B	37.7B	66.9	30.7	33.6	81.1	41.2	55.2	55.1	56.2	33.4B	9
10	8.47B	6.97B	35.4B	61.1	30.9	34.0	73.7	45.0	58.8	57.8	55.1	33.4B	10
11	8.47B	6.97B	33.1B	56.5	31.4	34.9	69.0	51.9	87.1	65.2	54.8	33.1B	11
12	8.47B	6.97B	31.4B	53.3	30.9	35.1	64.5	54.6	114	71.6	55.9	32.6B	12
13	8.47B	6.97B	30.3B	50.4	30.1	35.9	59.6	54.2	116	72.9	56.8	31.7B	13
14	8.47B	6.97B	30.3B	47.6	29.5	36.8	57.5	51.2	102	72.4	57.4	30.6B	14
15	8.47B	6.97B	31.1B	46.8	28.8	38.9	61.4	47.7	84.0	73.8	58.1	30.3B	15
16	8.47B	6.97B	32.6B	46.0	27.8	4..0	65.3	45.1	70.0	79.9	58.6	30.0B	16
17	8.41B	6.97B	34.5B	44.9	26.3	39.2	66.2	42.9	58.6	94.8	58.9	29.4B	17
18	8.41B	6.97B	36.8B	44.1	25.2	36.5	67.0	40.8	49.4	106	59.0	28.9B	18
19	8.35B	6.97B	38.5B	43.3	24.3	36.2	68.4	38.2	42.9	106	58.7	28.6B	19
20	8.30B	7.02B	39.9B	40.9	23.5	37.8	68.3	35.6	37.8	97.8	58.8	28.3B	20
21	8.24B	7.19B	41.1B	37.8	22.3	40.9	67.0	33.2	33.6	91.3	59.4	28.2B	21
22	8.24B	7.70B	42.2B	34.3	21.0	44.0	64.3	31.0	30.8	87.7	59.3	28.1B	22
23	8.16B	8.24B	43.0B	31.7	21.1	43.3	60.8	29.2	28.5	87.1	57.4	29.2B	23
24	8.10B	9.71B	44.2B	30.6	21.2	43.3	57.1	27.7	26.7	85.9	52.9	30.9B	24
25	7.99B	11.9 B	45.6B	29.6	22.1	44.2	53.7	27.0	25.4	83.4	46.2A	32.0B	25
26	7.87B	14.0 B	47.6B	28.3	24.5	47.5	51.5	30.8	25.1	80.5	42.4	32.0B	26
27	7.82B	16.5 B	51.3B	27.1	47.5	54.1	49.0	44.0	24.5	76.8	41.6B	32.3B	27
28	7.70B	19.1 B	58.0B	27.1	99.4	55.0	46.7	52.1	25.0	74.3	40.5B	32.3B	28
29	7.65B		68.0B	27.3	130	55.9	44.7	54.7	26.2	71.8	39.1B	32.3B	29
30	7.56B		82.1B	27.1	129	60.0	43.5	54.6	26.5	70.2	37.7B	32.0B	30
31	7.50B		95.4B		110		42.8	50.4		69.1		32.0B	31
TOTAL	256.41	235.12	1 290.9	1 534.8	1 217.2	1 344.3	2 403.6	1 333.2	1 535.7	2 107.9	1 667.8	969.2	TOTAL
MEAN	8.27	8.40	41.6	51.2	39.3	44.8	77.5	43.0	51.2	68.0	55.6	31.3	MEAN
MAX	8.64	19.1	95.4	107	130	87.7	173	54.7	116	106	67.0	36.2	MAX
MIN	7.50	6.97	22.2	27.1	21.0	33.6	42.8	27.0	24.5	25.8	37.7	28.1	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.6
MAXIMUM DAILY, 173 ON JUL 4
MINIMUM DAILY, 6.97B ON FEB 8
MAXIMUM INSTANTANEOUS,
174 AT 13:00 CST ON JUL 4

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 200	JUL	208 000
FEB	20 300	AUG	115 000
MAR	112 000	SEP	133 000
APR	133 000	OCT	182 000
MAY	105 000	NOV	144 000
JUN	116 000	DEC	83 700

TOTAL DISCHARGE, 1 370 000 dam³

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO. 05OJ015

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	221.504	221.551	221.515	222.459	222.049	223.690	223.732	223.644	223.838	223.738	223.039	221.557	1
2	221.495	221.542	221.635	222.608	222.322	223.660	223.728	223.609	223.771	223.742	222.904	221.597	2
3	221.495	221.531	221.700	222.582	222.549	223.589	223.756	223.598	223.772E	223.734	222.720	221.614	3
4	221.492	221.519	221.750	222.435	222.748	223.603	223.810	223.643	223.773E	223.746	222.539	221.637	4
5	221.490	221.515	221.786	222.295	222.955	223.592	223.818	223.710	223.774E	223.720	222.357	221.618	5
6	221.503	221.521	221.804	222.210	223.215	223.598	223.796	223.730	223.775E	223.694	222.134	221.639	6
7	221.506	221.530	221.792	222.126	223.531	223.652	223.699	223.639	223.776E	223.692	221.933	221.670	7
8	221.501	221.540	221.778	222.074	223.756	223.648	223.665	223.622	223.777A	223.758	221.886	221.667	8
9	221.493	221.540	221.774	222.040	223.827	223.630	223.674	223.633	223.762	223.806	221.861	221.660	9
10	221.492	221.534	221.770	222.016	223.855	223.628	223.686	223.656	223.746	223.774	221.844	221.680	10
11	221.499	221.527	221.767	222.003	223.778	223.628	223.695	223.678	223.713	223.774	221.829	221.705	11
12	221.508	221.522	221.767	221.965	223.720	223.651	223.672	223.686	223.728	223.805	221.808	221.658	12
13	221.516	221.521	221.745	221.925	223.710	223.671	223.658	223.711	223.851	223.696	221.804	221.596	13
14	221.521	221.523	221.737	221.865	223.733	223.710	223.642	223.713	223.833	223.702	221.811	221.587	14
15	221.522	221.524	221.766	221.790	223.748	223.713	223.637	223.706	223.772	223.753	221.823	221.636	15
16	221.521	221.534	221.796	221.748	223.715	223.687	223.666	223.687	223.755	223.757	221.835	221.658	16
17	221.519	221.543	221.855	221.753	223.678	223.674	223.669	223.657	223.669	223.751	221.852	221.670	17
18	221.517	221.536	221.915	221.767	223.683	223.670	223.687	223.741	223.704	223.753	221.870	221.710A	18
19	221.524	221.493	221.955	221.728	223.683	223.698	223.679	223.660	223.699	223.807	221.879	221.714E	19
20	221.532	221.446	221.982	221.709	223.672	223.717	223.672	223.586	223.671	223.814	221.849	221.718E	20
21	221.534	221.438	222.006	221.692	223.649	223.706	223.654	223.597	223.676	223.726	221.781	221.723E	21
22	221.543	221.422	222.021	221.684	223.643	223.723	223.641	223.647	223.697	223.652	221.771	221.727E	22
23	221.546	221.362	222.029	221.663	223.735	223.716	223.643	223.690	223.682	223.585	221.748	221.731E	23
24	221.542	221.353	222.039	221.638	223.720	223.700	223.677	223.713	223.629	223.529	221.750	221.736E	24
25	221.547	221.341	222.085	221.628	223.636	223.695	223.667	223.692	223.644	223.503	221.756	221.740E	25
26	221.565	221.345	222.147	221.584	223.667	223.691	223.658	223.665	223.699	223.430	221.753	221.744E	26
27	221.571	221.373	222.190	221.529	223.718	223.704	223.630	223.665	223.671	223.337	221.679	221.749E	27
28	221.568	221.426	222.210	221.516	223.743	223.752	223.628	223.689	223.700	223.245	221.658	221.753E	28
29	221.563		222.221	221.614	223.885	223.777	223.640	223.734	223.699	223.185	221.627	221.757E	29
30	221.556		222.236	221.809	223.890	223.733	223.647	223.786	223.716	223.167	221.571	221.762E	30
31	221.550		222.325		223.682		223.665	223.822		223.100		221.766E	31
MEAN	221.524	221.484	221.906	221.915	223.513	223.677	223.684	223.678	223.732	223.628	221.956	221.683	MEAN
MAX	221.571	221.551	222.325	222.608	223.890	223.777	223.818	223.822	223.851	223.814	223.039	221.766	MAX
MIN	221.490	221.341	221.515	221.516	222.049	223.589	223.628	223.586	223.629	223.100	221.571	221.557	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 222.707
MAXIMUM DAILY, 223.890 ON MAY 30
MINIMUM DAILY, 221.341 ON FEB 25
MAXIMUM INSTANTANEOUS,
223.984 AT 08:21 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
287 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER AT ST. ADOLPHE - STATION NO. 05OC803

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	222.733	224.028	223.906	---	---	223.754	---	---	1
2	---	---	---	---	---	224.028	224.089	---	223.815	---	223.357	---	2
3	---	---	---	---	---	223.845	---	223.647	---	---	---	---	3
4	---	---	---	---	222.580	---	---	---	223.693	---	223.144	---	4
5	---	---	---	---	---	223.723	---	223.784	---	223.784	---	---	5
6	---	---	---	---	223.285	---	224.028	---	---	---	223.022	---	6
7	---	---	---	---	---	---	---	223.693	223.876	223.693	---	---	7
8	---	---	---	---	223.723	223.693	224.150	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	223.845	223.876	222.931	---	9
10	---	---	---	---	---	223.418	223.998	---	---	---	---	---	10
11	---	---	---	---	223.784	---	---	223.714	223.815	---	222.931	---	11
12	---	---	---	222.839	---	223.418	---	---	---	223.876	---	---	12
13	---	---	---	---	223.693	---	223.906	223.784	---	---	222.931	---	13
14	---	---	---	---	---	---	---	---	224.211	223.876	---	---	14
15	---	---	---	222.733	224.028	223.723	223.784	223.784	---	---	---	---	15
16	---	---	---	---	---	---	---	---	223.967	223.967	222.931	---	16
17	---	---	---	---	---	223.723	223.784	223.784	---	---	222.903	---	17
18	---	---	---	222.641	223.418	---	---	---	223.906	---	222.931	---	18
19	222.275	---	---	---	---	223.418	---	223.693	---	224.119	---	---	19
20	---	---	---	222.656	223.418	---	223.784	---	---	---	222.931	---	20
21	---	---	---	---	---	---	---	223.632	223.723	224.119	---	---	21
22	---	---	---	222.733	223.418	223.784	223.784	---	223.723	---	---	---	22
23	---	222.275	---	---	---	---	---	---	223.693	223.967	222.900	---	23
24	---	---	---	222.504	---	223.784	223.815	223.693	---	---	---	---	24
25	---	---	---	---	223.418	---	---	223.678	223.632	---	222.900	---	25
26	---	---	---	---	---	223.784	---	223.693	---	223.815	---	---	26
27	---	---	---	222.504	224.028	---	223.723	---	---	---	222.961	---	27
28	---	---	---	---	---	---	---	223.693	223.693	---	---	---	28
29	---		---	222.352	224.028	223.967	223.693	---	---	223.571	---	---	29
30	---		---	222.413	---	---	---	---	223.693	---	---	---	30
31	---		---		---		223.723	223.601		223.479		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 07 14 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER FLOODWAY NEAR ST. NORBERT - STATION NO. 05OC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 36 W

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR LOCKPORT - STATION NO. 05OJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.0B	22.6B	53.8B	144 B	36.3	162	120	47.7	95.2	46.4	105	56.0B	1
2	22.9B	22.2B	56.7B	160 B	35.6	139	128	46.9	81.9	45.2	103	55.6B	2
3	22.8B	21.7B	59.6B	142 B	36.1	116	172	48.2	68.1	49.3	100	53.8B	3
4	22.1B	21.8B	61.4B	128 B	39.7	94.7	223	49.7	57.2	53.3	98.1	52.8B	4
5	22.4B	21.8B	60.3B	129 B	46.5	81.8	234	53.3	55.7	53.1	95.0	52.2B	5
6	22.1B	22.0B	57.9B	127 B	63.5	70.6	218	58.7	60.8	52.5	94.1	51.5B	6
7	21.2B	22.6B	57.9B	120	60.0	63.4	191	56.6	88.6	58.6	91.9	50.3B	7
8	20.3B	22.7B	58.0B	120	55.9	58.2	164	56.0	102	75.4	90.1	49.6B	8
9	19.8B	21.8B	56.1B	108	57.6	54.6	146	53.8	97.6	89.2	89.2	48.7B	9
10	20.9B	21.7B	54.4B	95.9	55.9	52.6	132	52.4	87.7	97.1	86.3	49.9B	10
11	21.7B	21.8B	52.3B	81.9	51.6	51.5	118	54.5	82.7	103	84.8	47.0B	11
12	21.4B	21.7B	51.4B	79.0	50.1	53.1	108	60.2	103	114	83.7	44.7B	12
13	21.5B	21.6B	51.5B	76.6	49.4	57.0	97.7	66.3	152	121	83.8	44.7B	13
14	21.0B	21.5B	53.1B	74.1	51.5	61.9	89.8	69.2	190	123	83.3	44.3B	14
15	21.0B	21.7B	58.0B	72.7	54.8	63.7	84.4	67.5	186	126	85.3	43.8B	15
16	21.0B	21.7B	64.4B	74.7	48.5	65.6	83.0	62.6	172	127	87.5	43.0B	16
17	21.0B	21.8B	73.3B	73.1	46.0	65.3	83.6	57.0	144	132	88.8	43.0B	17
18	21.1B	22.1B	80.9B	72.5	43.0	67.5	83.6	54.1	120	143	88.7	43.0B	18
19	21.6B	22.3B	87.2B	70.9	38.1	68.8	82.4	47.3	106	154	88.6	43.0B	19
20	22.3B	23.0B	92.6B	71.0	33.6	72.8	81.3	43.0	92.1	160	81.1	41.9B	20
21	22.9B	22.6B	92.9B	69.3	31.0	77.3	81.2	39.4	79.3	156	81.2A	40.4B	21
22	23.1B	22.7B	92.8B	65.3	33.4	83.7	79.4	37.9	68.3	146	76.2	39.4B	22
23	22.5B	23.8B	92.7B	60.9	43.8	87.6	77.2	36.8	55.4	140	74.3	41.3B	23
24	22.7B	26.0B	92.1B	57.5	47.9	90.3	74.5	35.7	48.3	132	72.5	42.7B	24
25	23.1B	27.9B	95.5B	52.6	50.1	92.0	70.5	32.7	43.7	129	71.4	42.0B	25
26	23.7B	32.1B	101 B	44.4	52.1	93.8	65.1	30.5	41.6	124	68.1B	41.6B	26
27	23.7B	40.4B	102 B	40.4	52.4	100	60.3	30.2	42.9	120	63.7B	41.5B	27
28	23.6B	50.1B	104 B	37.9	72.0	117	56.7	37.2	40.2	120	59.0B	40.7B	28
29	23.6B		106 B	35.6	139	122	53.2	50.3	40.4	122	57.0B	39.4B	29
30	23.3B		106 B	36.0	182	120	51.3	73.2	41.0	117	58.1B	39.6B	30
31	23.1B		122 B		181		50.5	92.0		109		39.1B	31
TOTAL	686.4	685.7	2 347.8	2 520.3	1 838.4	2 503.8	3 359.7	1 600.9	2 643.7	3 338.1	2 489.8	1 406.5	TOTAL
MEAN	22.1	24.5	75.7	84.0	59.3	83.5	108	51.6	88.1	108	83.0	45.4	MEAN
MAX	23.7	50.1	122	160	182	162	234	92.0	190	160	105	56.0	MAX
MIN	19.8	21.5	51.4	35.6	31.0	51.5	50.5	30.2	40.2	45.2	57.0	39.1	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 69.6
MAXIMUM DAILY, 234 ON JUL 5
MINIMUM DAILY, 19.8B ON JAN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 28 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	59 300	JUL	290 000
FEB	59 200	AUG	138 000
MAR	203 000	SEP	228 000
APR	218 000	OCT	288 000
MAY	159 000	NOV	215 000
JUN	216 000	DEC	122 000

TOTAL DISCHARGE, 2 200 000 dam³

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

RED RIVER NEAR STE. AGATHE - STATION NO. 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.56B	6.92B	30.1B	81.8B	27.5	127	79.5	39.9	56.4	30.6	77.7	41.2B	1
2	9.18B	6.91B	30.4B	81.2B	28.5	109	86.0	38.2	49.6	28.0	75.8	41.3B	2
3	8.79B	6.90B	30.9B	79.5	27.9	89.5	122	37.8	42.0	27.7	73.9	40.8B	3
4	8.28B	6.89B	31.2B	77.8	29.6	72.6	165	38.6	35.7	29.1	72.3	40.2B	4
5	7.85B	6.88B	31.8B	77.2	31.1	60.7	180	41.9	30.4	28.7	70.3	39.7B	5
6	7.47B	6.87B	32.8B	76.6	32.3	50.2	174	46.6	36.3	28.6	69.5	38.8B	6
7	7.12B	6.86B	33.5B	76.3	31.9	43.4	157	44.2	52.0	33.0	68.0	38.0B	7
8	6.94B	6.85B	34.0B	76.2	36.8	38.9	139	42.7	60.8	46.3	65.6	37.2B	8
9	6.92B	6.84B	32.6B	74.9	35.5	35.2	123	41.4	61.6	58.7	64.6	36.6B	9
10	6.90B	6.83B	30.7B	70.8	34.8	33.0	109	39.9	59.2	64.0	61.9	36.2B	10
11	6.88B	6.82B	28.4B	66.8	33.2	32.0	98.1	41.4	58.9	67.7	60.8	35.5B	11
12	6.86B	6.81B	26.9B	63.2	30.9	32.6	89.0	46.6	75.4	76.0	59.6	35.2B	12
13	6.84B	6.80B	26.3B	57.4	30.1	35.0	80.6	52.3	107	81.3	59.2	35.0B	13
14	6.82B	6.79B	26.7B	54.2	29.7	38.4	73.5	55.6	125	84.8	59.3	34.8B	14
15	6.80B	7.06B	30.3B	51.2	33.3	39.1	67.8	55.3	122	88.3	60.4	34.7B	15
16	6.78B	7.34B	35.7B	48.9	31.3	39.3	66.2	51.9	111 E	90.6	60.8	34.6B	16
17	6.85B	7.62B	42.5B	46.4	26.2	38.7	67.8	48.1	101 E	95.2	60.9	34.5B	17
18	6.92B	7.90B	48.1B	45.8	23.1	40.3	69.1	46.6	91.0E	107	61.0	34.3B	18
19	6.99B	8.03B	52.6B	45.0	21.0	41.6	69.6	40.5	81.0E	119	61.2	34.2B	19
20	7.05B	8.57B	55.4B	45.5	18.3	44.5	70.1	36.5	71.0E	125	61.1	34.1B	20
21	7.11B	8.40B	54.5B	44.2	16.1	48.5	70.6	33.1	61.0E	122	61.0	33.9B	21
22	7.01B	8.67B	53.2B	39.9	17.7	53.2	69.0	31.8	51.0E	114	60.3	33.8B	22
23	7.00B	9.35B	52.4B	37.0	27.0	56.5	66.8	30.9	40.0A	108	59.2	33.6B	23
24	7.00B	10.3 B	51.7B	34.6	31.3	58.2	64.5	29.6	34.5	103	58.9	33.5B	24
25	6.99B	11.3 B	52.5B	32.3	34.1	58.6	61.1	26.6	30.8	101	57.3	33.4B	25
26	6.98B	14.4 B	55.7B	30.2	34.6	59.4	56.4	24.4	29.2	97.6	53.6B	33.2B	26
27	6.97B	20.3 B	57.2B	28.8	33.3	64.2	51.8	24.1	29.9	93.3	49.0B	33.1B	27
28	6.96B	26.2 B	58.1B	28.5	49.1	77.6	48.2	29.4	27.1	89.7	43.5B	33.0B	28
29	6.95B		59.9B	27.4	105	81.3	45.0	40.6	26.7	85.8	41.2B	32.8B	29
30	6.94B		62.3B	27.1	140	79.5	43.2	49.6	27.8	82.7	41.0B	32.7B	30
31	6.93B		73.3B		140		42.4	55.5		79.8		32.6B	31
TOTAL	224.64	251.41	1 321.7	1 626.7	1 221.2	1 678.0	2 705.3	1 261.6	1 785.3	2 386.5	1 828.9	1 102.5	TOTAL
MEAN	7.25	8.98	42.6	54.2	39.4	55.9	87.3	40.7	59.5	77.0	61.0	35.6	MEAN
MAX	9.56	26.2	73.3	81.8	140	127	180	55.6	125	125	77.7	41.3	MAX
MIN	6.78	6.79	26.3	27.1	16.1	32.0	42.4	24.1	26.7	27.7	41.0	32.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 47.7
MAXIMUM DAILY, 180 ON JUL 5
MINIMUM DAILY, 6.78B ON JAN 16
MAXIMUM INSTANTANEOUS,
181 AT 15:41 CST ON JUL 5

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 52 W
DRAINAGE AREA, 117 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 400	JUL	234 000
FEB	21 700	AUG	109 000
MAR	114 000	SEP	154 000
APR	141 000	OCT	206 000
MAY	106 000	NOV	158 000
JUN	145 000	DEC	95 300

TOTAL DISCHARGE, 1 500 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO. 04AC008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	29.67	29.80	---	1
2	29.80	---	---	---	---	---	29.85	29.74	29.70	---	---	29.84	2
3	---	---	---	---	---	---	---	---	---	29.68	29.82	---	3
4	---	---	---	---	---	---	29.84	29.75	29.69	---	---	29.84	4
5	29.78	---	---	---	---	---	---	---	---	---	29.82	---	5
6	---	---	---	---	---	---	29.84	29.75	---	29.68	---	---	6
7	29.77	---	---	---	---	---	---	---	29.68	---	29.83	29.84	7
8	---	---	---	---	---	---	29.83	29.76	---	29.69	---	---	8
9	29.77	---	---	---	---	29.70	---	---	29.68	---	29.83	29.84	9
10	---	---	---	---	---	---	29.82	---	---	29.71	---	---	10
11	---	---	---	---	---	29.70	---	29.77	29.67	---	29.84	29.84	11
12	29.77	---	---	---	---	---	---	29.76	---	---	29.84	---	12
13	29.77	---	---	---	---	29.71	29.81	---	29.66	29.73	---	---	13
14	---	---	---	---	---	---	---	29.75	---	---	29.84	29.84	14
15	---	---	---	---	---	29.74	29.81	---	29.65	29.74	---	---	15
16	---	---	---	---	---	---	---	---	---	---	29.84	29.84	16
17	---	---	---	---	---	29.76	29.80	29.75	29.65	29.74	---	---	17
18	---	---	---	---	---	---	---	---	---	---	29.84	29.84	18
19	---	---	---	---	---	29.78	---	29.76	---	29.75	---	---	19
20	---	---	---	---	---	---	29.79	---	---	---	29.84	---	20
21	---	---	---	---	---	---	---	29.75	29.63	29.76	---	29.83	21
22	---	---	---	---	---	29.81	29.78	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	29.65	29.76	29.84	29.83	23
24	---	---	---	---	---	29.83	29.78	29.74	---	---	---	---	24
25	---	---	29.64	---	---	---	---	---	29.65	---	29.84	29.83	25
26	---	---	---	---	---	29.84	---	29.73	---	29.77	---	---	26
27	---	---	---	---	---	---	29.76	---	---	---	29.84	29.83	27
28	---	---	---	---	---	29.84	---	29.73	29.66	29.78	---	---	28
29	---		---	---	---	---	29.75	---	---	---	29.84	29.83	29
30	---		---	---	---	29.85	---	---	29.66	29.79	---	---	30
31	---		---		---		29.74	29.71		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.85 ON JUN 30

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 09 23 N
LONG 93 33 53 W

NATURAL FLOW

REED LAKE NEAR CRANBERRY PORTAGE - STATION NO. 05TA001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	278.861E	278.879A	278.962A	278.856A	278.764E	278.681E	---	---	1
2	---	---	---	---	278.861E	278.879A	278.966A	278.864A	278.763A	278.681A	---	---	2
3	---	---	---	---	278.861E	278.881A	278.978A	278.869A	278.763A	278.681A	---	---	3
4	---	---	---	---	278.861E	278.877A	278.978A	278.869A	278.747A	278.677A	---	---	4
5	---	---	---	---	278.861A	278.877A	278.976A	278.867A	278.743A	278.677E	---	---	5
6	---	---	---	---	278.861E	278.887E	278.970A	278.867A	278.743A	278.676A	---	---	6
7	---	---	---	---	278.862E	278.897E	278.962A	278.863A	278.743A	278.677	---	---	7
8	---	---	---	---	278.863E	278.907A	278.951E	278.861E	278.736A	278.675	---	---	8
9	---	---	---	---	278.864E	278.909E	278.940A	278.859A	278.732A	278.688	---	---	9
10	---	---	---	---	278.865E	278.911A	278.940A	278.853A	278.728A	278.691	---	---	10
11	---	---	---	---	278.865A	278.909A	278.941A	278.853A	278.724A	278.694	---	---	11
12	---	---	---	---	278.865A	278.907A	278.941A	278.815A	278.724A	278.715	---	---	12
13	---	---	---	---	278.865A	278.910E	278.935A	278.849A	278.714A	278.732	---	---	13
14	---	---	---	---	278.866A	278.914E	278.930E	278.816A	278.713E	278.729	---	---	14
15	---	---	---	---	278.867A	278.917A	278.925E	278.816A	278.712A	278.728	---	---	15
16	---	---	---	---	278.869A	278.911A	278.921A	278.812A	278.708A	278.732	---	---	16
17	---	---	278.878A	---	278.869A	278.915E	278.921A	278.812A	278.702A	278.743	---	---	17
18	---	---	---	---	278.869A	278.919E	278.921A	278.812A	278.701A	278.735	---	---	18
19	---	---	---	---	278.877A	278.923E	278.913A	278.812A	278.695E	278.740	---	---	19
20	---	---	---	---	278.877A	278.927A	278.909A	278.810A	278.689E	278.731	---	---	20
21	---	---	---	---	278.879A	278.927A	278.905A	278.808A	278.683A	278.726	---	---	21
22	---	---	---	---	278.881E	278.925A	278.910A	278.802A	278.683A	278.727	---	---	22
23	---	---	---	---	278.883A	278.927A	278.910A	278.800A	278.690A	278.719	---	---	23
24	---	---	---	---	278.885A	278.943E	278.903E	278.798A	278.685A	278.729	---	---	24
25	---	---	---	---	278.879A	278.959A	278.895E	278.795A	278.685E	278.718	---	---	25
26	---	---	---	---	278.879A	278.927A	278.888A	278.791A	278.684E	278.731	---	---	26
27	---	---	---	---	278.877A	278.959A	278.886A	278.785A	278.683E	278.726	---	---	27
28	---	---	---	---	278.879A	278.961A	278.880A	278.779A	278.682E	278.726	---	---	28
29	---		---	---	278.879E	278.962A	278.880A	278.769A	278.681A	278.731A	---	---	29
30	---		---	---	278.879A	278.960A	278.872E	278.767E	278.681A	278.731E	---	---	30
31	---		---		278.879A		278.864A	278.766E		278.731E		---	31
MEAN	---	---	---	---	278.871	278.917	278.925	278.822	278.713	278.712	---	---	MEAN
MAX	---	---	---	---	278.885	278.962	278.978	278.869	278.764	278.743	---	---	MAX
MIN	---	---	---	---	278.861	278.877	278.864	278.766	278.681	278.675	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 278.978A ON JUL 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 100 29 00 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -250.771 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

REINDEER LAKE AT BROCHET - STATION NO. 06DB001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	335.600	335.475	335.335	335.247	335.386	335.493	335.584	335.560	335.383	335.186	---	1
2	---	335.595	335.463	335.333	335.246	335.405	335.516	335.582	335.479	335.356	335.154	---	2
3	---	335.591	335.464	335.328	335.253	335.405	335.524	335.575	335.527	335.340	335.103	---	3
4	---	335.586	335.457	335.328	335.258	335.403	335.511	335.576	335.502	335.319	335.117	---	4
5	335.722A	335.579	335.463	335.306	335.262	335.403	335.519	335.574	335.518	335.319	335.136	---	5
6	335.690	335.571	335.452	335.289	335.262	335.401	335.480	335.579	335.513	335.295	335.142	---	6
7	335.694	335.566	335.455	335.306	335.250	335.401	335.493	335.550	335.477	335.280	335.105	---	7
8	335.698	335.561	335.450	335.308	335.255	335.424	335.592	335.564	335.502	335.262	335.107	---	8
9	335.692	335.557	335.441	335.296	335.266	335.431	335.596	335.572	335.468	335.225	335.087	---	9
10	335.687	335.562	335.451	335.288	335.276	335.422	335.562	335.584	335.497	335.270	335.099	---	10
11	335.691	335.549	335.448	335.291	335.293	335.435	335.554	335.516	335.463	335.297	335.100	---	11
12	335.685	335.546	335.426	335.292	335.300	335.438	335.553	335.555	335.454	335.271	335.085	---	12
13	335.682	335.537	335.427	335.303	335.287	335.444	335.551	335.537	335.435	335.258	335.090	---	13
14	335.667	335.530	335.420	335.301	335.294	335.441	335.558	335.519	335.433	335.271	335.078	---	14
15	335.669	335.533	335.410	335.302	335.313	335.439	335.545	335.567	335.432	335.291	335.020	---	15
16	335.673	335.531	335.392	335.278	335.308	335.447	335.558	335.552	335.481	335.258	335.029	---	16
17	335.677	335.528	335.392	335.290	335.320	335.426	335.579	335.541	335.445	335.217	335.055A	---	17
18	335.650	335.535	335.396	335.289	335.327	335.451	335.549	335.561	335.411	335.257	---	---	18
19	335.655	335.528	335.396	335.284	335.329	335.450	335.524	335.539	335.400	335.192	---	---	19
20	335.661	335.514	335.375	335.283	335.327	335.472	335.561	335.576	335.403	335.229	---	---	20
21	335.661	335.535	335.381	335.276	335.343	335.475	335.564	335.556	335.412	335.204	---	---	21
22	335.644	335.517	335.382	335.277	335.344	335.483	335.544	335.539	335.396	335.191	---	---	22
23	335.635	335.499	335.388	335.261	335.337	335.486	335.527	335.536	335.382	335.226	---	---	23
24	335.638	335.509	335.369	335.257	335.345	335.482	335.531	335.540	335.392	335.130	---	---	24
25	335.614	335.503	335.364	335.257	335.360	335.489	335.552	335.527	335.385	335.182	---	---	25
26	335.622	335.493	335.366	335.279	335.365	335.500	335.585	335.548	335.317	335.156	---	---	26
27	335.624	335.493	335.362	335.269	335.361	335.480	335.604	335.564	335.339	335.188	---	---	27
28	335.612	335.489	335.365	335.254	335.361	335.485	335.591	335.559	335.359	335.168	---	---	28
29	335.612		335.337	335.244	335.369	335.500	335.530	335.489	335.359	335.155	---	---	29
30	335.610		335.339	335.252	335.378	335.505	335.566	335.482	335.362	335.148	---	---	30
31	335.596		335.333		335.385		335.567	335.518		335.186		---	31
MEAN	---	335.541	335.408	335.289	335.310	335.447	335.547	335.550	335.437	335.243	---	---	MEAN
MAX	---	335.600	335.475	335.335	335.385	335.505	335.604	335.584	335.560	335.383	---	---	MAX
MIN	---	335.489	335.333	335.244	335.246	335.386	335.480	335.482	335.317	335.130	---	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

WATER LEVELS ARE REFERRED TO DEPARTMENT OF NATURAL RESOURCES DATUM (SOUTHEND)

RENNIE RIVER NEAR RENNIE - STATION NO. 05PG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.344B	0.165B	0.160B	0.008B	0	0.014	0.008	0.025E	0.005	0.560	0.791	0.676	1
2	0.323B	0.165B	0.158B	0.008B	0	0.013	0.005	0.025E	0.006	0.596	0.757	0.674	2
3	0.309B	0.165B	0.088B	0.008B	0	0.016	0.009	0.026E	0.006A	0.612	0.730	0.664	3
4	0.312B	0.166B	0.007B	0.007B	0	0.011	0.022	0.027E	0.005	0.655	0.722	0.657	4
5	0.336B	0.165B	0.008B	0.008B	0	0.007	0.022	0.032E	0.005	0.683	0.661	0.644	5
6	0.307B	0.157B	0.011B	0.010B	0	0.011	0.018	0.040E	0.006	3.71	0.635	0.640	6
7	0.160B	0.157B	0.011B	0 B	0	0.005	0.011	0.043E	0.006	4.97	0.605	0.631	7
8	0.146B	0.157B	0.008B	0.001B	0	0.006	0.025	0.040E	0.008	4.53	0.557	0.632	8
9	0.140B	0.157B	0.007B	0.009	0	0.006	0.016	0.038E	0.007	3.98	0.555	0.628	9
10	0.131B	0.157B	0.007B	0.014	0.014	0.006	0.006	0.037E	0.007	3.46	0.511	0.660	10
11	0.134B	0.158B	0.006B	0.013	0.057	0.006	0.005	0.036E	0.013	3.14	0.496	0.673	11
12	0.150B	0.160B	0.006B	0.014	0.057	0.006	0.005	0.032E	0.018	2.90	0.492	0.665	12
13	0.147B	0.161B	0.006B	0.011	0.051	0.006	0.006	0.028E	0.036	2.66	0.590	0.661	13
14	0.151B	0.163B	0.007B	0.008	0.046	0.006	0.005	0.025E	0.089	2.35	0.771	0.644	14
15	0.145B	0.165B	0.007B	0.012	0.036	0.006	0.005	0.022E	0.146	2.16	0.772	0.616	15
16	0.144B	0.165B	0.007B	0.010	0.009	0.006	0.005	0.021E	0.202	2.02	0.774	0.608	16
17	0.153B	0.166B	0.008B	0	0.008	0.005	0.005	0.020E	0.270	1.88	0.757	0.594	17
18	0.149B	0.160B	0.010A	0	0.005	0.003	0.005	0.020E	0.302	1.73	0.739	0.584	18
19	0.148B	0.157B	0.011B	0	0.005	0.003	0.005	0.020E	0.324	1.63	0.711	0.558B	19
20	0.148B	0.155B	0.013B	0	0.005E	0.004	0.006	0.019E	0.351	1.47	0.709	0.531B	20
21	0.151B	0.155B	0.012B	0	0.005	0.005	0.007	0.019E	0.366	1.38	0.703	0.502B	21
22	0.152B	0.155B	0.009B	0	0.005	0.009	0.006	0.018E	0.389	1.30	0.692	0.463B	22
23	0.161B	0.155B	0.013B	0	0.006	0.016	0.007	0.016E	0.393	1.23	0.697	0.426B	23
24	0.163B	0.157B	0.012B	0	0.006	0.024	0.007	0.013E	0.407	1.17	0.699	0.394B	24
25	0.155B	0.157B	0.010B	0	0.006	0.014	0.007	0.011E	0.417	1.08	0.685	0.362B	25
26	0.159B	0.157B	0.013B	0	0.006	0.026	0.008	0.007	0.451	1.04	0.690	0.340B	26
27	0.161B	0.158B	0.012B	0	0.006	0.011	0.008	0.006	0.432	0.943	0.713	0.341B	27
28	0.161B	0.158B	0.014B	0	0.006	0.005	0.011	0.006	0.460	0.925	0.706	0.336B	28
29	0.163B		0.014B	0	0.006	0.006	0.020	0.006	0.473	0.914	0.696	0.324B	29
30	0.163B		0.012B	0	0.006	0.019	0.020A	0.005	0.497	0.893	0.683	0.311B	30
31	0.163B		0.012B		0.007		0.025E	0.005		0.827		0.307B	31
TOTAL	5.729	4.473	0.679	0.141	0.358	0.281	0.320	0.688	6.097	57.398	20.299	16.746	TOTAL
MEAN	0.185	0.160	0.022	0.005	0.012	0.009	0.010	0.022	0.203	1.85	0.677	0.540	MEAN
MAX	0.344	0.166	0.160	0.014	0.057	0.026	0.025	0.043	0.497	4.97	0.791	0.676	MAX
MIN	0.131	0.155	0.006	0	0	0.003	0.005	0.005	0.005	0.560	0.492	0.307	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.310
MAXIMUM DAILY, 4.97 ON OCT 7
MINIMUM DAILY, 08 ON APR 7
MAXIMUM INSTANTANEOUS,
5.89 AT 09:38 CST ON OCT 6

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA, 159 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	495	JUL	27.6
FEB	386	AUG	59.4
MAR	58.7	SEP	527
APR	12.2	OCT	4 960
MAY	30.9	NOV	1 750
JUN	24.3	DEC	1 450

TOTAL DISCHARGE, 9 780 dam³

RIVERS RESERVOIR NEAR RIVERS - STATION NO. 05MF020

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	468.009	467.721	467.325	467.774	468.359	468.353	468.350	468.139	467.965	467.615	467.712	468.247	1
2	468.002	467.719	467.323	467.811	468.358	468.349	468.370	468.133	467.959	467.601	467.719	468.253	2
3	467.989	467.717	467.317	467.849	468.360	468.349	468.359	468.129	467.950	467.591	467.733	468.253	3
4	467.980	467.714	467.311	467.898	468.358	468.355	468.347	468.122	467.939	467.588	467.772	468.254	4
5	467.970	467.712	467.304	467.952	468.355	468.365	468.339	468.114	467.927	467.581	467.790	468.252	5
6	467.957	467.710	467.299	468.013	468.354	468.363	468.324	468.108	467.922	467.579	467.805	468.249	6
7	467.948	467.707	467.294	468.083	468.351	468.357	468.315	468.094	467.909	467.579	467.824	468.238	7
8	467.936	467.705	467.289	468.160	468.355	468.349	468.312	468.082	467.899	467.581	467.835	468.231	8
9	467.925	467.703	467.283	468.236	468.341	468.344	468.303	468.065	467.890	467.581	467.838	468.225	9
10	467.915	467.701	467.279	468.303	468.341	468.337	468.299	468.058	467.876	467.581	467.845	468.218	10
11	467.905	467.698	467.277	468.349	468.345	468.333	468.291	468.051	467.862	467.585	467.860	468.207	11
12	467.893	467.696	467.285	468.367	468.342	468.329	468.286	468.041	467.847	467.600	467.876	468.200	12
13	467.881	467.694	467.302	468.374	468.340	468.325	468.280	468.028	467.835	467.616	467.897	468.193	13
14	467.869	467.692	467.321	468.371	468.339	468.322	468.275	468.013	467.820	467.626	467.930	468.184	14
15	467.857	467.566	467.341	468.368	468.343	468.325	468.268	467.999	467.805	467.632	467.970	468.175	15
16	467.846	467.402	467.369	468.364	468.336	468.317	468.262	467.986	467.786	467.637	468.009	468.166	16
17	467.835	467.384	467.400	468.354	468.323	468.313	468.257	467.978	467.770	467.651	468.050	468.157	17
18	467.823	467.369	467.432	468.353	468.317	468.309	468.251	467.977	467.755	467.652	468.087	468.143	18
19	467.810	467.354	467.464	468.342	468.314	468.301	468.252	467.971	467.740	467.653	468.102	468.129	19
20	467.798	467.343	467.483	468.336	468.309	468.298	468.260	467.960	467.721	467.660	468.112	468.113	20
21	467.785	467.329	467.487	468.334	468.309	468.303	468.250	467.948	467.707	467.663	468.122	468.096	21
22	467.772	467.324	467.491	468.337	468.321	468.313	468.239	467.938	467.692	467.668	468.134	468.077	22
23	467.758	467.325	467.508	468.333	468.310	468.318	468.230	467.972	467.679	467.669	468.151	468.061	23
24	467.743	467.327	467.524	468.334	468.309	468.326	468.220	468.001	467.666	467.670	468.171	468.042	24
25	467.736	467.328	467.547	468.335	468.309	468.331	468.206	468.001	467.656	467.672	468.189	468.026	25
26	467.734	467.329	467.568	468.336	468.309	468.333	468.196	467.996	467.665	467.673	468.203	468.008	26
27	467.731	467.328	467.596	468.339	468.309	468.337	468.186	467.984	467.657	467.679	468.214	467.988	27
28	467.729	467.328	467.630	468.344	468.315	468.344	468.171	467.972	467.649	467.684	468.221	467.969	28
29	467.726		467.663	468.358	468.331	468.357	468.163	467.957	467.639	467.689	468.229	467.951	29
30	467.725		467.701	468.360	468.336	468.352	468.158	467.949	467.629	467.692	468.238	467.931	30
31	467.723		467.738		468.346		468.148	467.968		467.701		467.910	31
MEAN	467.849	467.533	467.424	468.236	468.334	468.334	468.263	468.024	467.794	467.634	467.988	468.134	MEAN
MAX	468.009	467.721	467.738	468.374	468.360	468.365	468.370	468.139	467.965	467.701	468.238	468.254	MAX
MIN	467.723	467.324	467.277	467.774	468.309	468.298	468.148	467.938	467.629	467.579	467.712	467.910	MIN

WATER LEVELS IN METRES

MEAN, 467.964
MAXIMUM DAILY, 468.374 ON APR 13
MINIMUM DAILY, 467.277 ON MAR 11
MAXIMUM INSTANTANEOUS,
468.375 AT 13:09 CST ON APR 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 100 11 58 W

REGULATED

RIVIERE AUX MARAIS NEAR CHRISTIE - STATION NO. 05OC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.107	0	0.032	0	0	0	0	---	---	1
2	---	---	0 B	0.112	0	0.032	0	0	0	0	---	---	2
3	---	---	0 B	0.118	0	0.027	0	0	0	0	---	---	3
4	---	---	0 B	0.116	0	0.023	0	0	0	0	---	---	4
5	---	---	0 B	0.093	0	0.021	0	0	0	0	---	---	5
6	---	---	0 B	0.072	0	0.019	0	0	0	0	---	---	6
7	---	---	0 B	0.057	0	0.017	0	0	0	0	---	---	7
8	---	---	0 B	0.048	0	0.015	0	0	0	0	---	---	8
9	---	---	0 B	0.038	0	0.013	0	0	0	0	---	---	9
10	---	---	0 B	0.030	0	0.011	0	0	0	0	---	---	10
11	---	---	0.100B	0.023	0	0.009	0	0	0	0	---	---	11
12	---	---	0.200B	0.021	0	0.007	0	0	0	0	---	---	12
13	---	---	0.350B	0.019	0	0.006	0	0	0	0	---	---	13
14	---	---	0.500B	0.016	0	0.005	0	0	0	0	---	---	14
15	---	---	0.495B	0.015	0	0.004	0	0	0	0	---	---	15
16	---	---	0.490B	0.014	0	0.002	0	0	0	0	---	---	16
17	---	---	0.485B	0.012	0	0	0	0	0	0	---	---	17
18	---	---	0.480B	0.011	0	0	0	0	0	0	---	---	18
19	---	---	0.476B	0.010	0	0	0	0	0	0	---	---	19
20	---	---	0.435B	0.008	0	0	0	0	0	0	---	---	20
21	---	---	0.394B	0.007	0	0	0	0	0	0	---	---	21
22	---	---	0.354B	0.007	0	0	0	0	0	0	---	---	22
23	---	---	0.313B	0.006	0	0	0	0	0	0	---	---	23
24	---	---	0.272E	0.005	0	0.005	0	0	0	0	---	---	24
25	---	---	0.231E	0.003	0.001	0.009	0	0	0	0	---	---	25
26	---	---	0.190E	0.002	0.009	0.009	0	0	0	0	---	---	26
27	---	---	0.149A	0.001	0.009	0.008	0	0	0	0	---	---	27
28	---	---	0.132	0.001	0.008	0.006	0	0	0	0	---	---	28
29	---		0.122	0	0.011	0.004	0	0	0	0	---	---	29
30	---		0.118	0	0.021	0.001	0	0	0	0	---	---	30
31	---		0.101		0.030		0	0		0		---	31
TOTAL	---	---	6.387	0.972	0.089	0.285	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.206	0.032	0.003	0.010	0	0	0	0	---	---	MEAN
MAX	---	---	0.500	0.118	0.030	0.032	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.500B ON MAR 14
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 18 50 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	552	SEP	0
APR	84.0	OCT	0
MAY	7.69	NOV	---
JUN	24.6	DEC	---

TOTAL DISCHARGE, 668 dam³

ROARING RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.014B	1.05 B	2.57	1.41	1.37	0.417A	0.018E	0.312	---	---	1
2	---	---	0.014B	1.27 B	3.23	1.25	1.20	0.387E	0 A	0.402	---	---	2
3	---	---	0.014B	1.36 B	3.23	1.14	1.05	0.285A	0 E	0.387	---	---	3
4	---	---	0.014B	1.41 B	3.25	1.07	0.932	0.359	0 A	0.422	---	---	4
5	---	---	0.014B	1.41 B	2.97	0.992	0.842	0.381	0 A	0.512	---	---	5
6	---	---	0.014B	1.40 B	2.46	0.934	0.789E	0.402	0 E	0.578	---	---	6
7	---	---	0.014B	1.39 B	2.27	0.918	0.772E	0.412	0 E	0.600	---	---	7
8	---	---	0.014B	1.36 B	2.09	0.892	0.936E	0.397	0 E	0.643	---	---	8
9	---	---	0.014B	1.31 B	1.89	0.873	1.16 E	0.389	0 E	0.679	---	---	9
10	---	---	0.014B	1.24 B	1.85	0.857	0.982E	0.408	0 A	0.659	---	---	10
11	---	---	0.020B	1.17 B	1.90	0.836	0.883E	0.396	0 A	0.681	---	---	11
12	---	---	0.026B	1.11 B	1.80	0.820	0.804E	0.383	0.001A	0.732	---	---	12
13	---	---	0.032B	1.05 B	1.76	0.804	0.740E	0.376	0 E	0.776	---	---	13
14	---	---	0.037B	0.990B	1.65	0.816	0.691E	0.341	0 E	0.860	---	---	14
15	---	---	0.045B	1.07 B	1.57	0.862	0.740E	0.323	0 E	0.898	---	---	15
16	---	---	0.051B	1.15 B	1.54	0.919	0.804E	0.295	0 E	0.888	---	---	16
17	---	---	0.051B	1.24 B	1.64	1.33	0.879E	0.285	0 E	0.843	---	---	17
18	---	---	0.051B	1.34 B	1.39	1.97	0.804E	0.265A	0 E	0.881	---	---	18
19	---	---	0.051B	1.44 E	1.34	2.89	0.729E	0.250A	0 A	0.959	---	---	19
20	---	---	0.051B	1.55 E	1.28	4.22	0.623E	0.230	0.001E	1.05	---	---	20
21	---	---	0.051B	1.65 E	1.25	4.65	0.564E	0.206	0.003A	1.04	---	---	21
22	---	---	0.051B	1.76 A	1.19	4.23	0.532E	0.183	0 A	1.02	---	---	22
23	---	---	0.094B	1.68 A	1.18	3.56	0.502E	0.156	0	0.889	---	---	23
24	---	---	0.142B	1.39 A	1.15	3.34	0.458E	0.148	0	0.933	---	---	24
25	---	---	0.197B	1.27 A	1.12	2.64	0.437E	0.134	0	0.740	---	---	25
26	---	---	0.272B	1.35 E	1.13	2.57	0.423E	0.114	0.028	0.749B	---	---	26
27	---	---	0.361B	1.43 E	1.18	2.75	0.413E	0.096	0.075	0.746B	---	---	27
28	---	---	0.463B	1.51 E	0.997	2.40	0.401A	0.080	0.076	0.752	---	---	28
29	---		0.577B	1.59 A	0.945	1.97	0.391E	0.053	0.083	0.792A	---	---	29
30	---		0.711B	1.97	1.01	1.62	0.417E	0.036A	0.100	0.766E	---	---	30
31	---		0.860B		1.22		0.444A	0.034A		0.752E		---	31
TOTAL	---	---	4.334	40.910	54.052	55.533	22.712	8.181	0.385	22.941	---	---	TOTAL
MEAN	---	---	0.140	1.36	1.74	1.85	0.733	0.264	0.013	0.740	---	---	MEAN
MAX	---	---	0.860	1.97	3.25	4.65	1.37	0.417	0.100	1.05	---	---	MAX
MIN	---	---	0.014	0.990	0.945	0.804	0.391	0.034	0	0.312	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.853
MAXIMUM DAILY, 4.65 ON JUN 21
MINIMUM DAILY, 0A ON SEP 2
MAXIMUM INSTANTANEOUS,
4.71 AT 22:30 CST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 09 10 N
LONG 101 03 10 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 960
FEB	---	AUG	707
MAR	374	SEP	33.3
APR	3 530	OCT	1 980
MAY	4 670	NOV	---
JUN	4 800	DEC	---

TOTAL DISCHARGE, 18 100 dam³

ROCK LAKE NEAR GLENORA - STATION NO. 05OB804

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	405.200E	---	---	405.530	---	405.175	405.255	405.255E	405.260	405.278E	405.290E	405.315E	1
2	405.205	---	---	---	---	405.175E	405.260E	405.245E	405.270	405.280	405.290	405.315	2
3	405.205E	---	---	---	---	405.175	405.265	405.235	405.275E	405.283E	405.290	405.320	3
4	405.205E	---	405.485	405.470	405.155	405.175E	405.261E	405.230E	405.280	405.286E	405.290	405.315	4
5	405.205	---	---	---	---	405.175	405.258E	405.225	405.283E	405.290	---	405.315E	5
6	405.207E	---	---	---	---	405.175E	405.255	405.235E	405.286E	405.295E	---	405.315E	6
7	405.210E	---	405.495	---	---	405.175E	405.248E	405.245	405.290	405.300	---	405.315	7
8	405.212E	---	---	---	---	405.175	405.241E	405.248E	405.295E	405.295E	---	405.315E	8
9	405.215	---	---	405.355	---	405.175E	405.235	405.251E	405.300	405.290	---	405.315E	9
10	405.215E	---	405.565	405.320E	---	405.175	405.245	405.255	405.295E	405.290E	---	405.315E	10
11	405.215E	---	---	405.285	405.135	405.175E	405.248E	405.255E	405.290	405.290E	---	405.315	11
12	405.215	---	---	---	405.135E	405.175	405.251E	405.255	405.290E	405.290	---	405.315E	12
13	405.215E	---	405.715	---	405.135E	405.178E	405.255	405.250E	405.290E	405.290E	---	405.315E	13
14	405.215E	---	---	---	405.135	405.181E	405.250E	405.245	405.290	405.290	---	405.315	14
15	405.215E	---	---	405.245	405.135E	405.185	405.245	405.238E	405.290E	405.290E	---	405.322E	15
16	405.215	---	---	405.245	405.135	405.195E	405.245E	405.231E	405.290	405.290	---	405.330	16
17	405.217E	---	405.565	405.210E	405.130E	405.205	405.245E	405.225	405.290E	405.290E	---	405.330E	17
18	405.220E	405.264	---	405.175	405.125	405.205E	405.245	405.220E	405.290	405.290E	---	405.330	18
19	405.222E	405.270	---	405.160E	405.125E	405.205	405.250E	405.215	405.286E	405.290	---	405.330E	19
20	405.225	405.277E	405.515	405.145	405.125E	405.211E	405.255	405.212E	405.283E	405.285E	---	405.330E	20
21	405.222	405.285	---	405.155	405.125	405.218E	405.255E	405.210	405.280	405.280	---	405.330	21
22	405.223E	---	---	405.145	405.130E	405.225	405.255	405.227E	405.285E	405.280E	---	405.334E	22
23	405.224	---	405.515	405.155	405.135	405.240E	405.250E	405.243E	405.290	405.280E	---	405.338	23
24	405.226E	---	---	405.125	405.150E	405.255	405.245	405.260	405.290E	405.280	---	405.334E	24
25	405.229E	405.410	---	---	405.165	405.250E	405.245E	405.255E	405.290	405.280E	405.305	405.330	25
26	405.231E	---	---	---	405.170E	405.245	405.245E	405.250	405.290E	405.280	---	405.330E	26
27	405.234	---	405.515	---	405.175	405.248E	405.245	405.255E	405.290E	405.270	---	405.330E	27
28	405.237E	405.485	---	---	405.175	405.251E	405.245E	405.260	405.290	405.280	---	405.330	28
29	405.240E		---	---	405.175E	405.255	405.245	405.260E	405.283E	405.270	---	405.330E	29
30	405.244		---	---	405.175	405.255E	405.255E	405.260E	405.277	405.290	405.315	405.330E	30
31	405.248E		---		405.175E		405.265	405.260		405.290E		405.330E	31
MEAN	405.220	---	---	---	---	405.204	405.250	405.242	405.286	405.286	---	405.324	MEAN
MAX	405.248	---	---	---	---	405.255	405.265	405.260	405.300	405.300	---	405.338	MAX
MIN	405.200	---	---	---	---	405.175	405.235	405.210	405.260	405.270	---	405.315	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 40 N
LONG 99 08 45 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROCKY LAKE NEAR WANLESS - STATION NO. 05KH006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	261.332E	261.304	261.328	261.258	261.139	261.095	---	---	1
2	---	---	---	---	261.332E	261.302	261.339	261.258	261.145	261.093	---	---	2
3	---	---	---	---	261.332E	261.306	261.339	261.258	261.139	261.096	---	---	3
4	---	---	---	---	261.332E	261.312	261.333	261.258	261.124	261.091	---	---	4
5	---	---	---	---	261.332E	261.310	261.333	261.253	261.125	261.090	---	---	5
6	---	---	---	---	261.332	261.305	261.322	261.257	261.121	261.090	---	---	6
7	---	---	---	---	261.332	261.298	261.326	261.247	261.123	261.078	---	---	7
8	---	---	---	---	261.332	261.317	261.352	261.240	261.115	261.073	---	---	8
9	---	---	---	---	261.330	261.317	261.361	261.242	261.115	261.083	---	---	9
10	---	---	---	---	261.331	261.316	261.309	261.242	261.112	261.107	---	---	10
11	---	---	---	---	261.331	261.314	261.303	261.237	261.112	261.101	---	---	11
12	---	---	---	---	261.332	261.311	261.303	261.227	261.109	261.103	---	---	12
13	---	---	---	---	261.331	261.297	261.290	261.231	261.102	261.139	---	---	13
14	---	---	---	---	261.324	261.290	261.287	261.223	261.104	261.147	---	---	14
15	---	---	---	---	261.323	261.298	261.281	261.221	261.092	261.146	---	---	15
16	---	---	---	---	261.326	261.301	261.286	261.219	261.089	261.149	---	---	16
17	---	---	---	---	261.326	261.298	261.296	261.212	261.089	261.141	---	---	17
18	---	---	261.286A	---	261.327	261.336	261.301	261.211	261.080	261.146	---	---	18
19	---	---	---	---	261.329	261.335	261.287	261.208	261.074	261.138	---	---	19
20	---	---	---	---	261.325	261.326	261.287	261.204	261.060	261.146	---	---	20
21	---	---	---	---	261.321	261.323	261.281	261.204	261.068	261.150	---	---	21
22	---	---	---	261.313A	261.299	261.327	261.276	261.202	261.074	261.148	---	---	22
23	---	---	---	---	261.305	261.324	261.278	261.197	261.097	261.146	---	---	23
24	---	---	---	---	261.307	261.319	261.269	261.194	261.088	261.144	---	---	24
25	---	---	---	---	261.309	261.322	261.273	261.192	261.084	261.145	---	---	25
26	---	---	---	---	261.313	261.322	261.268	261.187	261.070	261.142	---	---	26
27	---	---	---	---	261.315	261.325	261.268	261.183	261.092	261.138	---	---	27
28	---	---	---	---	261.309	261.326	261.267	261.178	261.089	261.137	---	---	28
29	---		---	---	261.302	261.330	261.268A	261.164	261.085	261.132A	---	---	29
30	---		---	---	261.306	261.329	261.245A	261.146	261.088	261.131E	---	---	30
31	---		---		261.302		261.255	261.159		261.130E		---	31
MEAN	---	---	---	---	261.322	261.315	261.297	261.217	261.100	261.122	---	---	MEAN
MAX	---	---	---	---	261.332	261.336	261.361	261.258	261.145	261.150	---	---	MAX
MIN	---	---	---	---	261.299	261.290	261.245	261.146	261.060	261.073	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 261.361 ON JUL 9

MAXIMUM INSTANTANEOUS,
261.382 AT 03:36 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 10 14 N
LONG 101 23 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROLLING RIVER NEAR ERICKSON - STATION NO. 05MF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.813B	0.176B	0.178B	3.94B	2.11	2.72	2.15	0.187	0.634	0.719	1.03	0.364B	1
2	0.770B	0.160B	0.133B	4.73B	2.07	2.61	1.97	0.200	0.662	0.878	1.24	0.355B	2
3	0.730B	0.151B	0.109B	5.41B	2.07	2.08	1.63	0.212	0.588	0.894	1.25	0.345B	3
4	0.699B	0.153B	0.099B	6.43B	2.06	1.59	1.38	0.213	0.522	0.900	1.18	0.332B	4
5	0.646B	0.161B	0.089B	6.59B	2.04	1.58	1.18	0.227	0.436	0.896	1.12	0.305B	5
6	0.651B	0.152B	0.080B	6.84B	2.02	1.47	1.10	0.227	0.435	0.880	1.19	0.284B	6
7	0.604B	0.146B	0.070B	5.99	2.01	1.43	1.16	0.243	0.420	0.870	1.07	0.280B	7
8	0.562B	0.134B	0.064B	4.59	1.98	1.36	1.18	0.283	0.401	0.842	0.936B	0.275B	8
9	0.526B	0.129B	0.063B	4.11	1.80	1.17	0.953	0.483	0.321	0.864	0.805B	0.256B	9
10	0.489B	0.126B	0.059B	3.81	1.67	1.03	0.773	0.660	0.226	0.739	0.952B	0.240B	10
11	0.461B	0.123B	0.093B	3.66	1.61	1.00	0.808	0.659	0.183	0.717	0.792B	0.233B	11
12	0.437B	0.122B	0.167B	3.39	1.53	0.945	0.753	0.607	0.115	0.666	0.751B	0.220B	12
13	0.425B	0.125B	0.197B	3.14	1.45	0.775	0.592	0.511	0.082	0.740	0.611B	0.194B	13
14	0.417B	0.130B	0.202B	2.96	1.40	0.727	0.573	0.428	0.062	0.923	0.504B	0.164B	14
15	0.407B	0.129B	0.213B	2.78	1.33	0.809	0.560	0.389	0.041	1.12	0.588B	0.140B	15
16	0.403B	0.130B	0.226B	2.60	1.21	1.06	0.479	0.355	0.020	1.16	0.590B	0.128B	16
17	0.391B	0.145B	0.265B	2.61	1.09	1.67	0.445	0.324	0.051	0.902	0.584B	0.113B	17
18	0.365B	0.177B	0.274B	2.59	1.05	2.26	0.448	0.294	0.058	0.910	0.451B	0.096B	18
19	0.345B	0.195B	0.362B	2.55	1.05	2.46	0.572	0.271	0.025	0.915	0.486B	0.083B	19
20	0.324B	0.216B	0.446B	2.30	1.01	2.68	0.712	0.255	0.007	1.03	0.606B	0.087B	20
21	0.309B	0.219B	0.362B	1.99	0.943	2.73	0.663	0.258	0.004	0.997B	0.642B	0.097B	21
22	0.298B	0.236B	0.253B	2.22	0.887	2.62	0.564	0.291	0.035	0.955B	0.484B	0.099B	22
23	0.289B	0.252B	0.226B	2.22	0.908	2.65	0.468	0.305	0.018	0.765B	0.452B	0.106B	23
24	0.281B	0.280B	0.227B	2.22	1.24	2.85	0.433	0.308	0.010	0.635B	0.432B	0.117B	24
25	0.276B	0.296B	0.231B	2.22	1.92	2.75	0.396	0.387	0.004	0.550B	0.421B	0.124B	25
26	0.276B	0.303B	0.238B	2.22	2.19	2.83	0.341	0.424	0.011	0.583B	0.445B	0.128B	26
27	0.273B	0.293B	0.271B	2.22	2.42	2.62	0.275	0.449	0.032	0.741	0.436B	0.128B	27
28	0.252B	0.246B	0.500B	2.22	2.57	2.39	0.226	0.402	0.110	0.756	0.426B	0.115B	28
29	0.235B		1.03 B	2.22	2.65	2.11	0.200	0.299	0.327	0.744	0.405B	0.101B	29
30	0.216B		1.84 B	2.20	2.56	2.02	0.188	0.277	0.510	0.652	0.382B	0.085B	30
31	0.208B		3.13 B		2.60		0.187	0.402		0.846		0.071B	31
TOTAL	13.378	5.105	11.697	102.97	53.448	56.996	23.359	10.830	6.350	25.789	21.261	5.665	TOTAL
MEAN	0.432	0.182	0.377	3.43	1.72	1.90	0.754	0.349	0.212	0.832	0.709	0.183	MEAN
MAX	0.813	0.303	3.13	6.84	2.65	2.85	2.15	0.660	0.662	1.16	1.25	0.364	MAX
MIN	0.208	0.122	0.059	1.99	0.887	0.727	0.187	0.187	0.004	0.550	0.382	0.071	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.923
MAXIMUM DAILY, 6.84B ON APR 6
MINIMUM DAILY, 0.004 ON SEP 21
MAXIMUM INSTANTANEOUS,
7.29B AT 19:58 CST ON APR 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 99 56 27 W
DRAINAGE AREA, 759 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 160	JUL	2 020
FEB	441	AUG	936
MAR	1 010	SEP	549
APR	8 900	OCT	2 230
MAY	4 620	NOV	1 840
JUN	4 920	DEC	489

TOTAL DISCHARGE, 29 100 dam³

ROSEAU RIVER AT GARDENTON - STATION NO. 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.761B	4.19 B	0.812	5.15	17.2	0.911	0.706	2.41	---	---	1
2	---	---	3.34 B	4.20 B	0.787	5.03	18.2	1.04	0.637	3.09	---	---	2
3	---	---	8.10 B	3.17 B	0.779	4.70	18.8	2.10	0.560	4.56	---	---	3
4	---	---	6.64 B	2.93	0.762	4.62	18.9	2.18	0.512	6.66	---	---	4
5	---	---	5.54 B	2.84	0.775	4.70	18.8	2.36	0.482	7.78	---	---	5
6	---	---	4.40 B	2.61	0.808	4.46	18.5	2.50	0.683	8.45	---	---	6
7	---	---	3.40 B	2.31	0.807	4.49	18.0	3.05	1.79	9.08	---	---	7
8	---	---	2.81 B	2.01	0.850	4.69	16.9	3.10	3.22	9.99	---	---	8
9	---	---	2.25 B	1.84	0.902	4.86	15.2	3.42	3.52	12.1	---	---	9
10	---	---	1.73 B	1.69	0.921	4.90	13.4	4.44	6.08	13.3	---	---	10
11	---	---	1.51 B	1.37	0.864	4.85	11.5	4.98	7.78	13.6	---	---	11
12	---	---	1.43 B	1.34	0.807	4.80	9.63	4.90	8.79	14.2	---	---	12
13	---	---	1.39 B	1.30	0.775	4.78	8.16	4.37	9.16	14.6	---	---	13
14	---	---	1.36 B	1.12	0.779	4.82	7.02	3.66	8.73	14.7	---	---	14
15	---	---	1.37 B	1.01	0.771	5.47	6.17	2.95	7.97	14.9	---	---	15
16	---	---	1.41 B	0.989	0.757	7.33	5.49	2.37	7.05	15.1	---	---	16
17	---	---	1.46 B	0.938	0.864	11.4	4.89	1.95	6.47	15.1	---	---	17
18	---	---	1.50 B	0.914	0.905	14.1	4.32	1.68	5.92	14.8	---	---	18
19	---	---	1.55 B	0.902	0.787	15.1	3.76	1.35	5.37	14.4	---	---	19
20	---	---	2.10 B	0.912	0.671	15.4	3.21	1.27	4.97	13.8	---	---	20
21	---	---	2.70 B	0.869	0.656	15.1	2.70	0.906	4.63	12.9	---	---	21
22	---	---	2.70 B	0.854	0.652	14.5	2.34	0.782	3.52	12.0	---	---	22
23	---	---	2.46 B	0.823	0.707	14.1	2.39	0.715	2.59	10.8	---	---	23
24	---	---	2.40 B	0.791	0.896	14.5	2.49	0.684	2.12	10.0	---	---	24
25	---	---	2.35 B	0.796	0.909	14.0	2.32	0.644	1.83	9.16B	---	---	25
26	---	---	2.18 B	0.862	1.00	14.1	1.99	0.638	1.82	8.30B	---	---	26
27	---	---	1.89 B	0.917	3.59	14.7	1.66	0.711	1.77	7.86	---	---	27
28	---	---	2.51 B	0.892	5.61	15.0	1.41	0.600	1.71	8.04A	---	---	28
29	---		2.65 B	0.845	6.40	15.2	1.16	0.584	1.99	8.08E	---	---	29
30	---		3.23 B	0.802	5.97	15.9	1.02	0.581	2.10	8.20E	---	---	30
31	---		3.98 B		5.54		1.15	0.606		8.32E		---	31
TOTAL	---	---	83.101	47.036	48.113	282.75	258.68	62.032	114.480	326.28	---	---	TOTAL
MEAN	---	---	2.68	1.57	1.55	9.43	8.34	2.00	3.82	10.5	---	---	MEAN
MAX	---	---	8.10	4.20	6.40	15.9	18.9	4.98	9.16	15.1	---	---	MAX
MIN	---	---	0.761	0.791	0.652	4.46	1.02	0.581	0.482	2.41	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.99
MAXIMUM DAILY, 18.9 ON JUL 4
MINIMUM DAILY, 0.482 ON SEP 5
MAXIMUM INSTANTANEOUS,
19.0 AT 11:10 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 16 N
LONG 96 41 15 W
DRAINAGE AREA, 4 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	22 300
FEB	---	AUG	5 360
MAR	7 180	SEP	9 890
APR	4 060	OCT	28 200
MAY	4 160	NOV	---
JUN	24 400	DEC	---

TOTAL DISCHARGE, 106 000 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO. 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.156B	0.113B	5.66 B	3.51	0.566	5.38	19.3	0.623	0.538	2.72	7.76	4.25 B	1
2	0.150B	0.116B	4.81 B	2.80	0.538	5.15	20.4	1.13	0.510	3.60	6.74	4.25 B	2
3	0.142B	0.116B	3.96 B	2.41	0.595	4.73	20.8	1.67	0.453	5.97	6.31	4.11 B	3
4	0.139B	0.116B	3.11 B	2.29	0.595	4.64	20.9	1.73	0.425	8.10	6.09	4.11 B	4
5	0.133B	0.119B	2.55 B	2.07	0.623	4.59	20.8	1.73	0.425	9.03	6.63	3.96 B	5
6	0.125B	0.119B	1.98 B	1.81	0.623	4.36	20.4	1.87	0.765	9.80	7.48	3.96 B	6
7	0.119B	0.119B	1.70 B	1.56	0.623	4.47	19.5	2.61	2.35	10.4	7.53	3.82 B	7
8	0.113B	0.119B	1.42 B	1.36	0.651	4.73	18.2	2.49	2.41	11.9	7.28	3.82 B	8
9	0.110B	0.119B	1.13 B	1.22	0.708	4.96	16.2	3.54	4.11	13.9	7.02	3.82 B	9
10	0.105B	0.119B	0.906B	1.13	0.651	4.90	14.0	4.47	6.54	14.8	6.63	3.68 B	10
11	0.099B	0.119B	0.850B	0.934	0.623	4.84	12.0	4.79	8.16	14.8	6.40	3.68 B	11
12	0.099B	0.116B	0.850B	0.906	0.623	4.67	10.1	4.42	9.03	15.1	6.14	3.68 B	12
13	0.099B	0.116B	0.878B	0.850	0.623	4.59	8.41	3.65	9.23	15.6	6.03	3.68 B	13
14	0.102B	0.116B	0.963B	0.708	0.623	4.90	7.14	2.89	8.47	15.7	6.03	3.54 B	14
15	0.102B	0.116B	1.05 B	0.680	0.623	6.12	6.12	2.24	7.42	16.0	6.06	3.54 B	15
16	0.102B	0.116B	1.13 B	0.623	0.736	9.49	5.38	1.73	6.54	16.2	6.20	3.54 B	16
17	0.102B	0.119B	1.27 B	0.680	0.765	13.9	4.67	1.42	5.95	16.1	6.34	3.40 B	17
18	0.102B	0.119B	1.59 B	0.595	0.708	16.2	3.96	1.16	5.49	15.6	6.57	3.26 B	18
19	0.102B	0.122B	1.81 B	0.595	0.595	17.1	3.26	0.963	5.07	15.1	6.63	1.98 B	19
20	0.102B	0.125B	2.21 B	0.510	0.538	17.2	2.58	0.793	4.64	14.3	6.51B	1.27 B	20
21	0.102B	0.136B	2.18 B	0.453	0.510	16.5	2.07	0.680	4.05	13.4	6.23B	1.13 B	21
22	0.102B	0.156B	2.07 B	0.510	0.510	15.8	1.98	0.623	2.80	12.3	5.95B	1.05 B	22
23	0.105B	0.184B	1.93 B	0.481	0.623	15.2	2.21	0.538	2.12	11.3	5.80B	0.963B	23
24	0.105B	0.255B	1.76 B	0.453	0.736	15.2	2.29	0.538	1.84	10.5	5.52B	0.906B	24
25	0.105B	0.425B	1.67 B	0.510	0.934	15.0	1.95	0.538	1.70	9.63	5.38B	0.850B	25
26	0.108B	1.42 B	1.59 B	0.566	2.04	15.5	1.59	0.538	1.78	8.55	5.10B	0.821B	26
27	0.108B	4.25 B	1.50 B	0.566	4.84	16.1	1.30	0.510	1.70	8.52	4.96B	0.793B	27
28	0.110B	5.66 B	2.12 B	0.566	6.23	16.3	1.08	0.510	1.93	8.50	4.67B	0.765B	28
29	0.110B		2.83 B	0.538	6.54	16.7	0.934	0.510	1.93	8.50	4.53B	0.736B	29
30	0.110B		3.54 B	0.566	6.12	18.0	0.793	0.510	1.93	8.44	4.39B	0.708B	30
31	0.113B		3.82		5.66		0.793	0.623		8.44		0.680B	31
TOTAL	3.481	14.845	64.837	32.450	47.373	307.22	271.110	52.037	110.306	352.80	184.91	80.752	TOTAL
MEAN	0.112	0.530	2.09	1.08	1.53	10.2	8.75	1.68	3.68	11.4	6.16	2.60	MEAN
MAX	0.156	5.66	5.66	3.51	6.54	18.0	20.9	4.79	9.23	16.2	7.76	4.25	MAX
MIN	0.099	0.113	0.850	0.453	0.510	4.36	0.793	0.510	0.425	2.72	4.39	0.680	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.17
MAXIMUM DAILY, 20.9 ON JUL 4
MINIMUM DAILY, 0.099B ON JAN 11
MAXIMUM INSTANTANEOUS,
21.0 AT 13:00 CST ON JUL 4

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 54 N
LONG 96 27 46 W
DRAINAGE AREA, 4 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	301	JUL 23	400
FEB	1 280	AUG 4	500
MAR	5 600	SEP 9	530
APR	2 800	OCT 30	500
MAY	4 090	NOV 16	000
JUN	26 500	DEC 6	980

TOTAL DISCHARGE, 131 000 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.448B	0.369B	0.684B	4.32 B	0.919	5.56	16.0	1.45	0.766	2.70	8.16	3.72 B	1
2	0.544B	0.357B	0.612B	4.89 B	0.862	5.24	17.2	1.48	0.666	2.62	7.90	4.70 B	2
3	0.668B	0.332B	3.09 B	5.62 B	0.877	5.05	18.2	1.50	0.692	3.07	6.85	5.20 B	3
4	0.770B	0.314B	9.22 B	5.65 B	0.834	4.78	18.5	1.54	0.703	4.20	6.25	5.01 B	4
5	0.790B	0.294B	7.51 B	3.80 B	0.783	4.75	18.6	2.04	0.570	6.05	5.94	4.04 B	5
6	0.661B	0.277B	4.89 B	3.57	0.762	4.64	18.6	2.31	0.817	7.36	5.94	3.48 B	6
7	0.496B	0.264B	3.36 B	3.31	0.773	4.41	18.1	2.37	1.21	8.17	6.93	3.53 B	7
8	0.415B	0.250B	2.44 B	3.01	0.802	4.37	17.3	2.43	1.18	8.98	7.08	3.87 B	8
9	0.381B	0.233B	1.95 B	2.70	0.890	4.50	15.9	2.65	2.67	10.6	6.89	3.35 B	9
10	0.366B	0.221B	1.61 B	2.47	0.882	4.65	14.1	2.65	2.98	12.9	6.74	3.11 B	10
11	0.333B	0.216B	1.45 B	2.27	0.906	4.66	12.4	3.38	4.81	13.9	6.36	3.34 B	11
12	0.307B	0.222B	1.52 B	2.05	0.941	4.69	10.4	3.81	6.34	15.1	6.15	3.85 B	12
13	0.244B	0.387B	1.41 B	1.83	0.885	4.89	8.41	3.84	7.41	15.7	5.91	3.79 B	13
14	0.165B	0.499B	1.45 B	1.77	0.803	4.92	6.92	3.53	7.81	15.7	5.75	3.32 B	14
15	0.108B	0.546B	1.57 B	1.63	0.752	5.04	5.83	3.08	7.74	16.0	5.75	2.89 B	15
16	0.093B	0.591B	1.64 B	1.47	0.708	5.41	5.02	2.64	7.03	16.3	5.80	2.59 B	16
17	0.089B	0.572B	1.83 B	1.34	0.700	7.58	4.50	2.35	6.17	16.5	5.77	2.50 B	17
18	0.089B	0.548B	1.79 B	1.26	0.658	12.1	4.01	2.40	5.59	16.3	5.85	2.78 B	18
19	0.090B	0.520B	1.95 B	1.17	0.720	14.5	3.58	1.79	5.06	15.9	6.02	2.71 B	19
20	0.091B	0.471B	2.03 B	1.11	0.786	15.7	3.20	1.57	4.67	15.5	6.33B	2.63 B	20
21	0.094B	0.364B	2.54 B	1.08	0.658	16.0	2.82	1.42	4.39	14.7	6.38B	2.67 B	21
22	0.103B	0.311B	2.76 B	1.19	0.509	15.8	2.48	1.32	4.07	13.8	6.60B	1.91 B	22
23	0.103B	0.350B	2.85 B	1.07	0.631	14.9	2.22	1.14	3.46	12.8	6.54B	1.33 B	23
24	0.106B	0.756B	2.73 B	0.986	0.743	15.0	2.17	1.04	2.80	11.9 B	7.69B	1.07 B	24
25	0.169B	0.672B	2.88 B	0.923	0.982	14.7	2.23	0.929	2.31	11.0 B	7.45B	0.944B	25
26	0.296B	0.746B	2.93 B	0.884	1.20	14.2	2.15	0.862	2.22	10.5 B	6.60B	0.840B	26
27	0.303B	2.14 B	2.79 B	0.873	1.14	14.4	1.99	0.764	2.14	9.19B	5.40B	0.791B	27
28	0.303B	1.25 B	2.85 B	0.891	2.79	15.1	1.80	0.704	2.17	8.28	4.31B	0.809B	28
29	0.300B		3.00 B	0.945	5.86	15.2	1.61	0.799	2.02	8.27	4.16B	0.785B	29
30	0.318B		3.32 B	0.944	6.32	15.1	1.53	0.690	2.34	8.35	4.37B	0.732B	30
31	0.352B		3.47 B		5.86		1.76	0.668		8.37		0.682B	31
TOTAL	9.595	14.072	84.126	65.026	42.936	277.84	259.53	59.146	102.804	340.71	187.87	82.973	TOTAL
MEAN	0.310	0.503	2.71	2.17	1.39	9.26	8.37	1.91	3.43	11.0	6.26	2.68	MEAN
MAX	0.790	2.14	9.22	5.65	6.32	16.0	18.6	3.84	7.81	16.5	8.16	5.20	MAX
MIN	0.089	0.216	0.612	0.873	0.509	4.37	1.53	0.668	0.570	2.62	4.16	0.682	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.18
MAXIMUM DAILY, 18.6 ON JUL 5
MINIMUM DAILY, 0.089B ON JAN 17
MAXIMUM INSTANTANEOUS,
18.8 AT 07:21 CST ON JUL 6

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 53 N
LONG 97 03 15 W
DRAINAGE AREA, 5 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	829	JUL 22	400
FEB	1 220	AUG 5	110
MAR	7 270	SEP 8	880
APR	5 620	OCT 29	400
MAY	3 710	NOV 16	200
JUN	24 000	DEC 7	170

TOTAL DISCHARGE, 132 000 dam³

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05OF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.100B	0.201A	0.077	0.088	0.070E	0.345	0.007	0.006	---	---	1
2	---	0 B	0.070B	0.191	0.086	0.076	0.047E	0.183	0.007	0.006	---	---	2
3	---	0 B	0.047B	0.172	0.091	0.062	0.031E	0.121	0.006	0.007	---	---	3
4	---	0 B	0.036B	0.130	0.077	0.058	0.024E	0.094	0.006	0.011	---	---	4
5	---	0 B	0.029B	0.114	0.065	0.069	0.023E	0.087	0.006	0.015	---	---	5
6	---	0 B	0.026B	0.109	0.058	0.057	0.022E	0.113	0.006	0.016	---	---	6
7	---	0 B	0.026B	0.102	0.052	0.050	0.022E	0.114	0.006	0.016	---	---	7
8	---	0 B	0.026B	0.089	0.050	0.041	0.021E	0.111	0.006	0.016	---	---	8
9	---	0 B	0.031B	0.081	0.050	0.034	0.021A	0.064	0.005	0.014	---	---	9
10	---	0 B	0.036B	0.077	0.051	0.032	0.021	0.048	0.005	0.016	---	---	10
11	---	0 B	0.040B	0.072	0.050	0.024	0.049	0.036	0.003	0.015	---	---	11
12	---	0 B	0.039B	0.067	0.044	0.022	0.091	0.024	0.003	0.016	---	---	12
13	---	0 B	0.038B	0.064	0.039	0.020	0.098	0.027	0.003	0.021	---	---	13
14	---	0 B	0.042B	0.059	0.040	0.031	0.069	0.023	0.002	0.027	---	---	14
15	---	0 B	0.064B	0.056	0.035	0.032A	0.060	0.018	0.001	0.022	---	---	15
16	---	0.001B	0.093B	0.060	0.037	0.030E	0.264	0.012	0.001	0.023	---	---	16
17	---	0.006B	0.115B	0.061	0.034	0.028E	0.398	0.008	0.001	0.024	---	---	17
18	---	0.064B	0.129B	0.059	0.029	0.026E	0.237	0.009	0.001	0.024	---	---	18
19	---	0.262B	0.152B	0.054	0.030	0.024E	0.150	0.007	0.001	0.021	---	---	19
20	---	0.437B	0.173B	0.052	0.025	0.024E	0.106	0.007	0.001	0.022	---	---	20
21	---	0.510B	0.185B	0.054	0.021	0.028E	0.080	0.007	0.001	0.025	---	---	21
22	---	0.532B	0.195B	0.055	0.027	0.037E	0.064	0.006	0.001	0.026	---	---	22
23	---	0.485B	0.205B	0.052	0.058	1.69 E	0.048	0.007	0.001	0.026	---	---	23
24	---	0.427B	0.217B	0.051	0.117	4.84 E	0.036	0.009	0.001	0.026	---	---	24
25	---	0.360B	0.223B	0.052	0.224	2.36 E	0.027	0.016	0.001	0.025	---	---	25
26	---	0.309B	0.226B	0.051	0.208	1.22 E	0.021	0.014	0.005	0.026	---	---	26
27	---	0.262B	0.229	0.055	0.172	0.703E	0.020	0.009	0.004	0.025	---	---	27
28	---	0.203B	0.232	0.053	0.143	0.427E	0.012	0.007	0.004	0.026	---	---	28
29	---		0.229	0.061	0.124	0.285E	0.008	0.007	0.004	0.025	---	---	29
30	---		0.223E	0.080	0.110	0.166E	0.031	0.006	0.005	0.027	---	---	30
31	---		0.214E		0.100		1.25	0.006		0.027		---	31
TOTAL	---	3.858	3.690	2.434	2.324	12.584	3.421	1.545	0.104	0.622	---	---	TOTAL
MEAN	---	0.138	0.119	0.081	0.075	0.419	0.110	0.050	0.003	0.020	---	---	MEAN
MAX	---	0.532	0.232	0.201	0.224	4.84	1.25	0.345	0.007	0.027	---	---	MAX
MIN	---	0	0.026	0.051	0.021	0.020	0.008	0.006	0.001	0.006	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 4.84E ON JUN 24
MINIMUM DAILY, 0.001 ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 19 40 W
DRAINAGE AREA, 212 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	296
FEB	333	AUG	133
MAR	319	SEP	8.99
APR	210	OCT	53.7
MAY	201	NOV	---
JUN	1 090	DEC	---

TOTAL DISCHARGE, 2 310 dam³

ROUND LAKE AT OUTLET - STATION NO. 05RD011

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.028	0.904	0.734	0.694	0.802	0.927	1.549	1.729	1.384	1.199	1.229	1.319	1
2	1.016	0.887	0.732	0.698	0.812	0.931	1.568	1.718	1.356	1.188	1.226	1.322	2
3	1.008	0.889	0.727	0.698	0.815	0.936	1.584	1.719	1.337	1.178	1.220	1.328	3
4	1.007	0.890	0.718	0.698	0.816	0.939	1.597	1.721	1.318	1.182	1.222	1.332	4
5	1.006	0.892	0.717	0.699	0.819	0.944	1.613	1.713	1.302	1.183	1.223	1.329	5
6	1.006	0.890	0.707	0.701	0.821	0.946	1.626	1.711	1.315	1.178	1.224	1.343	6
7	1.005	0.874	0.702	0.709	0.825	0.950	1.634	1.710	1.365	1.168	1.224	1.357	7
8	1.001	0.874	0.703	0.716	0.826	0.958	1.640	1.702	1.403	1.156	1.221	1.364	8
9	0.990	0.867	0.697	0.718	0.826	0.962	1.638	1.691	1.428	1.154	1.215	1.363	9
10	0.986	0.854	0.692	0.714	0.827	0.961	1.636	1.684	1.443	1.162	1.215	1.369	10
11	0.991	0.841	0.685	0.715	0.828	0.962	1.637	1.674	1.447	1.162	1.215	1.370	11
12	1.010	0.828	0.680	0.715	0.828	0.966	1.644	1.661	1.437	1.161	1.214	1.388	12
13	1.020	0.812	0.678	0.715	0.830	0.973	1.648	1.644	1.419	1.182	1.216	1.390	13
14	1.011	0.813	0.671	0.711	0.830	0.982	1.652	1.626	1.396	1.188	1.219	1.396	14
15	1.006	0.814	0.667	0.704	0.822	1.025	1.660	1.606	1.373	1.188	1.220	1.394	15
16	0.997	0.798	0.663	0.706	0.820	1.075	1.690	1.589	1.355	1.187	1.226	1.391	16
17	0.990	0.805	0.658	0.723	0.820	1.114	1.716	1.575	1.336	1.185	1.232	1.381	17
18	0.987	0.806	0.654	0.728	0.821	1.181	1.715	1.559	1.317	1.178	1.235	1.370	18
19	0.982	0.807	0.646	0.728	0.818	1.236	1.717	1.543	1.294	1.171	1.240	1.373	19
20	0.980	0.800	0.641	0.726	0.814	1.260	1.717	1.533	1.275	1.170	1.243	1.381	20
21	0.976	0.795	0.636	0.729	0.811	1.275	1.720	1.520	1.256	1.164	1.228	1.418	21
22	0.969	0.795	0.629	0.747	0.805	1.285	1.721	1.508	1.240	1.159	1.259	1.508	22
23	0.961	0.789	0.626	0.766	0.813	1.290	1.721	1.491	1.223	1.152	1.274	1.465	23
24	0.957	0.782	0.623	0.769	0.834	1.307	1.730	1.478	1.207	1.145	1.274	1.423	24
25	0.953	0.768	0.620	0.769	0.855	1.349	1.736	1.467	1.187	1.138	1.275	1.413	25
26	0.938	0.763	0.623	0.775	0.865	1.383	1.732	1.455	1.199	1.132	1.277	1.402	26
27	0.933	0.756	0.634	0.779	0.871	1.415	1.725	1.439	1.218	1.127	1.290	1.430	27
28	0.939	0.743	0.644	0.787	0.874	1.456	1.721	1.421	1.216	1.120	1.293	1.424	28
29	0.924		0.658	0.794	0.891	1.491	1.713	1.404	1.207	1.119	1.293	1.401	29
30	0.922		0.669	0.799	0.923	1.520	1.717	1.386	1.202	1.126	1.306	1.395	30
31	0.926		0.682		0.927		1.739	1.384		1.190		1.396	31
MEAN	0.981	0.826	0.671	0.731	0.835	1.133	1.673	1.583	1.315	1.164	1.242	1.385	MEAN
MAX	1.028	0.904	0.734	0.799	0.927	1.520	1.739	1.729	1.447	1.199	1.306	1.508	MAX
MIN	0.922	0.743	0.620	0.694	0.802	0.927	1.549	1.384	1.187	1.119	1.214	1.319	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 1.131
MAXIMUM DAILY, 1.739 ON JUL 31
MINIMUM DAILY, 0.620 ON MAR 25
MAXIMUM INSTANTANEOUS,
1.741 AT 21:44 CST ON JUL 30

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 96 23 20 W

NATURAL FLOW

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	159	417	104	113	107	855	873	806	507	871	160	427	1
2	637	746	107	113	121	705	1 190	1 170	888	842	155	242	2
3	645	863	107	107	98.4	706	1 270	1 200	623	845	331	393	3
4	818	860	104	105	118	696	1 080	1 170	982	385	247	303	4
5	692	534	123	107	113	717	1 050	1 060	859	665	174	427	5
6	783	473	114	105	119	632	1 190	1 380	320	366	149	202	6
7	724	142	111	106	135	480	1 190	1 350	578	266	139	327	7
8	694	126	99.6	164	117	808	1 330	1 410	861	161	183	456	8
9	748	284	101	276	152	703	1 020	1 120	879	116	215	618	9
10	778	732	116	189	126	678	1 030	1 120	975	114	231	780	10
11	828	735	108	131	155	649	508	1 140	953	106	103	711	11
12	656	679	112	112	113	959	671	1 360	514	194	190	586	12
13	555	391	119	151	117	871	1 110	1 260	418	523	500	1 040	13
14	491	137	205	152	108	562	796	1 390	856	721	605	975	14
15	577	124	111	144	158	674	401	1 380	751	851	484	919	15
16	461	144	128	115	105	566	370	1 020	633	471	756	948	16
17	370	205	148	116	106	617	712	1 160	570	115	440	960	17
18	240	183	210	116	108	544	374	1 020	707	169	468	1 040	18
19	289	127	105	113	107	301	544	1 010	461	479	751	1 130	19
20	361	123	101	150	141	231	815	960	283	600	886	1 140	20
21	328	112	108	115	207	215	655	895	854	739	166	1 200	21
22	512	108	111	105	272	412	398	471	848	772	196	1 130	22
23	447	167	111	105	365	735	720	302	852	705	671	1 130	23
24	389	129	103	110	312	488	746	776	845	731	417	1 120	24
25	197	114	127	112	369	555	871	752	841	111	477	1 210	25
26	651	130	99.6	112	468	916	725	907	843	297	772	1 150	26
27	540	133	105	115	803	674	818	867	581	497	642	1 250	27
28	437	113	102	117	812	510	594	792	999	399	556	1 310	28
29	634		109	116	771	850	338	692	687	464	616	1 280	29
30	405		117	110	594	724	352	381	798	505	554	1 240	30
31	332		113		568		699	558		200		1 270	31
TOTAL	16 378	9 031	3 639.2	3 802	7 965.4	19 033	24 340	30 879	21 766	14 280	12 234	26 914	TOTAL
MEAN	528	323	117	127	257	634	785	996	726	461	408	868	MEAN
MAX	828	863	210	276	812	959	1 270	1 410	999	871	886	1 310	MAX
MIN	159	108	99.6	105	98.4	215	338	302	283	106	103	202	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 521
MAXIMUM DAILY, 1 410 ON AUG 8
MINIMUM DAILY, 98.4 ON MAY 3

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 09 50 N
LONG 99 20 56 W
DRAINAGE AREA, 363 000 km²

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 420 000	JUL	2 100 000
FEB	780 000	AUG	2 670 000
MAR	314 000	SEP	1 880 000
APR	328 000	OCT	1 230 000
MAY	688 000	NOV	1 060 000
JUN	1 640 000	DEC	2 330 000

TOTAL DISCHARGE, 16 400 000 dam³

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	273B	518B	416B	411B	748B	728	917	827	906	552	430	402B	1
2	283B	507B	428B	433B	688	748	926	900	858	530	433	385B	2
3	294B	498B	430B	462B	660	762	886	971	833	513	411	371B	3
4	306B	496B	430B	487B	634	779	867	1 010	810	501	419	360B	4
5	317B	496B	445B	510B	586	773	869	1 040	816	501	411	351B	5
6	314B	493B	464B	538B	586	790	869	1 080	847	498	408	343B	6
7	309B	487B	481B	566B	603	841	855	1 100	830	481	419	317B	7
8	309B	481B	490B	583B	626	878	824	1 140	799	493	413	278B	8
9	306B	479B	493B	597B	654	869	699	1 180	756	518	394	254B	9
10	323B	473B	490B	626B	595	869	685	1 180	739	541	399	241B	10
11	360B	467B	487B	674B	549	864	646	1 200	728	518	450	228B	11
12	391B	464B	481B	722B	521	844	617	1 230	708	530	447	212B	12
13	399B	464B	459B	756B	524	855	631	1 210	674	575	416	200B	13
14	394B	467B	430B	750B	507	852	634	1 200	646	564	422	202B	14
15	385B	464B	402B	790B	527	867	663	1 200	629	541	445	203B	15
16	394B	462B	385B	847B	532	881	671	1 160	620	549	450	194B	16
17	402B	462B	374B	906B	498	892	643	1 180	614	541	425	192B	17
18	416B	456B	360B	943B	467	949	660	1 170	606	544	365	193B	18
19	430B	453B	357B	968B	425	912	685	1 160	623	521	368	196B	19
20	445B	456B	357B	971B	402	912	716	1 140	648	496	385B	195B	20
21	453B	453B	360B	960B	439	934	736	1 120	651	473	411B	190B	21
22	447B	445B	385B	960B	473	951	719	1 110	637	453	433B	190B	22
23	447B	436B	402B	957B	541	940	733	1 100	592	487	453B	195B	23
24	447B	430B	408B	949B	507	932	722	1 080	569	501	459B	197B	24
25	481B	425B	399B	946B	481	923	719	1 050	595	524	459B	203B	25
26	504B	422B	385B	943B	470	934	694	1 030	595	521	456B	208B	26
27	518B	419B	382B	878B	496	926	688	1 010	634	504	453B	215B	27
28	518B	419B	388B	816B	572	932	705	985	620	504	442B	221B	28
29	518B		396B	796B	620	917	725	949	572	473B	433B	224B	29
30	521B		399B	770B	665	906	779	957	569	462B	411B	235B	30
31	521B		402B		699		810	949		456B		244B	31
TOTAL	12 425	12 992	12 965	22 515	17 295	26 160	22 993	33 618	20 724	15 865	12 720	7 639	TOTAL
MEAN	401	464	418	751	558	872	742	1 080	691	512	424	246	MEAN
MAX	521	518	493	971	748	951	926	1 230	906	575	459	402	MAX
MIN	273	419	357	411	402	728	617	827	569	453	365	190	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 597
MAXIMUM DAILY, 1 230 ON AUG 12
MINIMUM DAILY, 190B ON DEC 21
MAXIMUM INSTANTANEOUS,
1 230 AT 23:45 CST ON AUG 12

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 30 N
LONG 101 11 10 W
DRAINAGE AREA, 347 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 070 000	JUL	1 990 000
FEB	1 120 000	AUG	2 900 000
MAR	1 120 000	SEP	1 790 000
APR	1 950 000	OCT	1 370 000
MAY	1 490 000	NOV	1 100 000
JUN	2 260 000	DEC	660 000

TOTAL DISCHARGE, 18 800 000 dam³

SCHIST LAKE NEAR CHANNING - STATION NO. 05KG004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	291.881	291.892	291.885	291.845	291.861	291.858	---	---	1
2	---	---	---	---	291.891	291.888	291.890	291.846	291.851	291.852	---	---	2
3	---	---	---	---	291.899	291.886	291.890	291.845	291.854	291.845	---	---	3
4	---	---	---	---	291.907	291.883	291.881	291.844	291.858	291.84	---	---	4
5	---	---	---	---	291.914	291.875	291.875	291.843	291.852	291.846	---	---	5
6	---	---	---	---	291.918	291.877	291.875	291.841	291.854	291.851	---	---	6
7	---	---	---	---	291.923	291.880	291.871	291.840	291.851	291.848	---	---	7
8	---	---	---	---	291.926	291.891	291.866	291.842	291.856	291.845	---	---	8
9	---	---	---	---	291.931	291.889	291.853	291.847	291.852	291.853	---	---	9
10	---	---	---	---	291.931	291.885	291.846	291.850	291.852	291.862	---	---	10
11	---	---	---	---	291.936	291.886	291.840	291.845	291.852	291.865	---	---	11
12	---	---	---	---	291.937	291.887	291.833	291.852	291.850	291.865	---	---	12
13	---	---	---	---	291.939	291.887	291.832	291.846	291.849	291.883	---	---	13
14	---	---	---	---	291.932	291.887	291.830	291.843	291.847	291.891	---	---	14
15	---	---	---	---	291.937	291.892	291.829	291.849	291.848	291.895	---	---	15
16	---	---	---	---	291.940	291.891	291.831	291.846	291.849	291.897	---	---	16
17	---	---	291.825A	---	291.941	291.886	291.830	291.847	291.845	291.892	---	---	17
18	---	---	---	---	291.937	291.891	291.832	291.849	291.839	291.897	---	---	18
19	---	---	---	---	291.938	291.893	291.823	291.849	291.840	291.899	---	---	19
20	---	---	---	---	291.939	291.894	291.820	291.854	291.842	291.899	---	---	20
21	---	---	---	---	291.934	291.893	291.818	291.858	291.837	291.900	---	---	21
22	---	---	---	291.858A	291.925	291.892	291.813	291.857	291.840	291.900	---	---	22
23	---	---	---	291.856	291.925	291.890	291.834	291.861	291.842	291.900	---	---	23
24	---	---	---	291.856	291.924	291.885	291.847	291.861	291.843	291.899	---	---	24
25	---	---	---	291.860	291.921	291.883	291.848	291.860	291.841	291.902	---	---	25
26	---	---	---	291.863	291.917	291.883	291.849	291.862	291.840	291.906	---	---	26
27	---	---	---	291.865	291.915	291.880	291.851	291.866	291.845	291.909	---	---	27
28	---	---	---	291.868	291.909	291.881	291.850	291.865	291.850	291.912	---	---	28
29	---		---	291.871	291.897	291.889	291.846	291.853	291.851	291.915A	---	---	29
30	---		---	291.877	291.897	291.885	291.846	291.851	291.847	291.918E	---	---	30
31	---		---		291.895		291.843	291.850		291.918E		---	31
MEAN	---	---	---	---	291.921	291.887	291.848	291.851	291.848	291.883	---	---	MEAN
MAX	---	---	---	---	291.941	291.894	291.890	291.866	291.861	291.918	---	---	MAX
MIN	---	---	---	---	291.881	291.875	291.813	291.840	291.837	291.843	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 291.941 ON MAY 17

MAXIMUM INSTANTANEOUS,
291.942 AT 22:37 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 20 N
LONG 101 49 30 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.037B	0.005	0.020	0	---	---	---	---	---	---	1
2	---	0 B	0.036B	0.004	0.005	0	---	---	---	---	---	---	2
3	---	0 B	0.036B	0.004	0.003	0	---	---	---	---	---	---	3
4	---	0 B	0.035B	0.003	0.003	0.001	---	---	---	---	---	---	4
5	---	0 B	0.034B	0.002	0.002	0.026	---	---	---	---	---	---	5
6	---	0 B	0.034B	0.001	0.001	0.003	---	---	---	---	---	---	6
7	---	0 B	0.033B	0	0	0.001	---	---	---	---	---	---	7
8	---	0 B	0.033B	0.001	0	0	---	---	---	---	---	---	8
9	---	0 B	0.032B	0.002	0	0	---	---	---	---	---	---	9
10	---	0 B	0.035B	0.001	0	0	---	---	---	---	---	---	10
11	---	0 B	0.038B	0	0	0	---	---	---	---	---	---	11
12	---	0 B	0.041B	0	0	0	---	---	---	---	---	---	12
13	---	0 B	0.044B	0	0	0	---	---	---	---	---	---	13
14	---	0 B	0.048B	0.001	0	0.001	---	---	---	---	---	---	14
15	---	0.005B	0.051B	0	0.001	0.001	---	---	---	---	---	---	15
16	---	0.010B	0.054B	0	0	0.002	---	---	---	---	---	---	16
17	---	0.020B	0.057B	0	0	0.002	---	---	---	---	---	---	17
18	---	0.025B	0.060B	0.001	0	0.004	---	---	---	---	---	---	18
19	---	0.030B	0.063B	0	0	0.003	---	---	---	---	---	---	19
20	---	0.040B	0.058	0	0	0.001	---	---	---	---	---	---	20
21	---	0.050B	0.046	0	0	0	---	---	---	---	---	---	21
22	---	0.055B	0.044	0	0	0	---	---	---	---	---	---	22
23	---	0.050B	0.035	0	0.001	0	---	---	---	---	---	---	23
24	---	0.040B	0.029	0	0.002	0	---	---	---	---	---	---	24
25	---	0.039B	0.038	0	0.002	0	---	---	---	---	---	---	25
26	---	0.039B	0.024	0	0.001	0	---	---	---	---	---	---	26
27	---	0.038B	0.017	0.001	0.001	0	---	---	---	---	---	---	27
28	---	0.038B	0.023	0.001	0.002	0	---	---	---	---	---	---	28
29	---		0.020	0.002	0.001	0	---	---	---	---	---	---	29
30	---		0.015	0.044	0	0	---	---	---	---	---	---	30
31	---		0.009		0		---	---		---		---	31
TOTAL	---	0.479	1.159	0.073	0.045	0.045	---	---	---	---	---	---	TOTAL
MEAN	---	0.017	0.037	0.002	0.001	0.002	---	---	---	---	---	---	MEAN
MAX	---	0.055	0.063	0.044	0.020	0.026	---	---	---	---	---	---	MAX
MIN	---	0	0.009	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.063B ON MAR 19
MINIMUM DAILY, 0 ON APR 7
MAXIMUM INSTANTANEOUS,
0.153 AT 17:32 CST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 16 N
LONG 101 23 04 W

DRAINAGE AREA, 162 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	41.4	AUG	---
MAR	100	SEP	---
APR	6.31	OCT	---
MAY	3.89	NOV	---
JUN	3.89	DEC	---

TOTAL DISCHARGE, 114 dam³

REMARKS - MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 06GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	237B	159B	120B	104B	106B	953B	566	468	315	316	236B	178B	1
2	235B	158B	119B	104B	108B	941B	561	456	306	316	234B	176B	2
3	231B	156B	119B	104B	111B	922B	557	451	311	317	231B	175B	3
4	228B	153B	118B	104B	118B	766	558	446	319	316	229B	173B	4
5	224B	152B	117B	104B	128B	703	548	445	325	314	227B	171B	5
6	221B	150B	116B	104B	142B	675	547	436	326	315	224B	170B	6
7	217B	149B	115B	104B	159B	668	546	430	323	315	222B	168B	7
8	214B	147B	115B	104B	176B	646	539	418	325	313	220B	166B	8
9	210B	146B	114B	104B	199B	637	540	417	324	309	218B	165B	9
10	208B	144B	113B	104B	218B	632	562	410	322	301	216B	163B	10
11	206B	142B	112B	104B	241B	625	563	404	325	299	214B	161B	11
12	203B	142B	112B	104B	266B	628	553	398	329	294B	212B	160B	12
13	201B	140B	111B	104B	316B	640	548	397	337	291B	210B	158B	13
14	199B	138B	110B	104B	366B	634	543	394	338	288B	209B	156B	14
15	196B	138B	110B	104B	419B	635	542	391	340	284B	207B	154B	15
16	194B	136B	110B	104B	489B	634	534	392	341	281B	205B	153B	16
17	191B	134B	109B	104B	552B	629	536	389	338	278B	203B	151B	17
18	189B	134B	108B	104B	639B	629	545	382	341	275B	201B	150B	18
19	187B	132B	108B	104B	778B	627	550	376	340	272B	200B	148B	19
20	184B	131B	108B	104B	841B	625	554	371	338	269B	198B	147B	20
21	182B	130B	107B	104B	919B	629	552	365	335	266B	196B	145B	21
22	180B	128B	107B	104B	960B	625	541	356	334	263B	194B	143B	22
23	177B	127B	107B	104B	991B	620	534	344	335	260B	192B	142B	23
24	175B	126B	107B	104B	1 000B	620	522	333	337	257B	191B	141B	24
25	173B	125B	105B	104B	1 010B	613	519	327	336	254B	189B	139B	25
26	171B	124B	105B	104B	1 010B	599	516	324	333	251B	187B	138B	26
27	169B	123B	105B	104B	997B	603	506	323	330	248B	185B	136B	27
28	167B	122B	105B	104B	985B	598	498	325	329	246B	184B	135B	28
29	165B		105B	105B	972B	592	490	322	325	243B	182B	133B	29
30	163B		105B	105B	966B	576	481	319	320	241B	180B	132B	30
31	160B		105B		963B		480	318		238B		130B	31
TOTAL	6 057	3 886	3 427	3 122	17 145	19 924	16 631	11 927	9 877	8 730	6 196	4 757	TOTAL
MEAN	195	139	111	104	553	664	536	385	329	282	207	153	MEAN
MAX	237	159	120	105	1 010	953	566	468	341	317	236	178	MAX
MIN	160	122	105	104	106	576	480	318	306	238	180	130	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 306
MAXIMUM DAILY, 1 010B ON MAY 25
MINIMUM DAILY, 104B ON APR 1

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 53 30 N
LONG 96 16 31 W
DRAINAGE AREA, 48 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	523 000	JUL 1	440 000
FEB	336 000	AUG 1	030 000
MAR	296 000	SEP	853 000
APR	270 000	OCT	754 000
MAY 1	480 000	NOV	535 000
JUN 1	720 000	DEC	411 000

TOTAL DISCHARGE, 9 650 000 dam³

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO. 05OE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.360B	1.24	0.065	0.120	3.90	0.106	0.224	0.416	---	---	1
2	---	---	0.286B	1.15	0.064	0.066	3.10	0.069	0.184	0.349	---	---	2
3	---	---	0.258B	1.38	0.061	0.062	2.57	0.068	0.130	0.415	---	---	3
4	---	---	0.230B	1.32	0.060	0.060	2.16	0.193	0.098	0.791	---	---	4
5	---	---	0.156B	1.01	0.060	0.059	1.59	0.153	0.089	0.761	---	---	5
6	---	---	0.156B	0.726	0.061	0.058	1.10	0.325	0.199	0.641	---	---	6
7	---	---	0.156B	0.457	0.062	0.059	0.712	0.417	0.208	0.733	---	---	7
8	---	---	0.138B	0.344	0.064	0.060	0.473	0.891	0.159	0.654	---	---	8
9	---	---	0.129B	0.189	0.062	0.061	0.285	0.570	0.116	0.452	---	---	9
10	---	---	0.138E	0.080	0.060	0.061	0.102	1.22	1.35	0.298	---	---	10
11	---	---	0.240E	0.074	0.060	0.060	0.067	1.12	1.55	0.191	---	---	11
12	---	---	0.332E	0.068	0.060	0.063	0.065	0.765	1.08	0.229	---	---	12
13	---	---	0.425E	0.067	0.059	0.062	0.054	0.559	0.655	0.209	---	---	13
14	---	---	0.521E	0.066	0.057	0.060	0.043	0.447	0.392	0.174	---	---	14
15	---	---	0.572E	0.065	0.057	0.062	0.034	0.361	0.396	0.392	---	---	15
16	---	---	0.623E	0.064	0.055	0.064	0.027	0.241	0.359	0.679	---	---	16
17	---	---	0.643E	0.062	0.053	0.064	0.025	0.123	0.235	0.614	---	---	17
18	---	---	0.643E	0.063	0.051	0.059	0.029	0.067	0.105	0.416	---	---	18
19	---	---	0.623E	0.067	0.048	0.051	0.032	0.052	0.060	0.340	---	---	19
20	---	---	0.623E	0.070	0.043	0.070	0.029	0.035	0.045	0.284	---	---	20
21	---	---	0.623E	0.102	0.036	0.208	0.025	0.023	0.035	0.209	---	---	21
22	---	---	0.633E	0.109	0.032	0.233	0.018	0.018	0.029	0.128	---	---	22
23	---	---	0.674E	0.177	0.669	0.069	0.013	0.286	0.026	0.154	---	---	23
24	---	---	0.704E	0.127	1.27	0.067	0.011	1.09	0.026	0.826	---	---	24
25	---	---	0.735E	0.146	1.55	0.062	0.009	0.987	0.024	0.984	---	---	25
26	---	---	0.776E	0.092	1.04	0.056	0.008	0.693	0.024	0.846	---	---	26
27	---	---	0.834A	0.085	0.461	0.049	0.011	0.449	0.024	0.616	---	---	27
28	---	---	1.27	0.082	0.226	0.050	0.083	0.338	0.020	0.475	---	---	28
29	---		1.25	0.069	0.503	4.10	0.221	0.326	0.050	0.358A	---	---	29
30	---		1.50	0.067	0.475	5.61	0.268	0.350	0.338	0.370E	---	---	30
31	---		1.48		0.348		0.317	0.321		0.305E		---	31
TOTAL	---	---	17.731	9.618	7.772	11.785	17.381	12.663	8.230	14.389	---	---	TOTAL
MEAN	---	---	0.572	0.321	0.251	0.393	0.561	0.408	0.274	0.464	---	---	MEAN
MAX	---	---	1.50	1.38	1.55	5.61	3.90	1.22	1.55	0.984	---	---	MAX
MIN	---	---	0.129	0.062	0.032	0.049	0.008	0.018	0.020	0.128	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.406
MAXIMUM DAILY, 5.61 ON JUN 30
MINIMUM DAILY, 0.008 ON JUL 26
MAXIMUM INSTANTANEOUS,
7.53 AT 16:31 CST ON JUN 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 19 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1	500
FEB	---	AUG 1	090
MAR 1	530	SEP	711
APR	831	OCT 1	240
MAY	672	NOV	---
JUN 1	020	DEC	---

TOTAL DISCHARGE, 8 590 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05OH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.020	0	0	0	0	0	0	---	---	1
2	---	---	0	0.018	0	0	0	0	0	0	---	---	2
3	---	---	0	0.017	0	0	0	0	0	0	---	---	3
4	---	---	0	0.009	0	0	0	0	0	0	---	---	4
5	---	---	0	0.003	0	0	0	0	0	0	---	---	5
6	---	---	0	0.001	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0.001	0	0	0	0	0	0	0	---	---	14
15	---	---	0.001	0	0	0	0	0	0	0	---	---	15
16	---	---	0.001	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0.001	0	0	0	0	0	0	0	---	---	21
22	---	---	0.001	0	0	0	0	0	0	0	---	---	22
23	---	---	0.001	0	0	0	0	0	0	0	---	---	23
24	---	---	0.001	0	0	0	0	0	0	0	---	---	24
25	---	---	0.016	0	0	0	0	0	0	0	---	---	25
26	---	---	0.025	0	0	0	0	0	0	0	---	---	26
27	---	---	0.017	0	0	0	0	0	0	0	---	---	27
28	---	---	0.016	0	0	0	0	0	0	0	---	---	28
29	---		0.016	0	0	0	0	0	0	0	---	---	29
30	---		0.015	0	0	0	0	0	0	0	---	---	30
31	---		0.015		0		0	0		0		---	31
TOTAL	---	---	0.127	0.068	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.004	0.002	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.025	0.020	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.025 ON MAR 26
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.030 AT 06:38 CST ON MAR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 39 10 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	11.0	SEP	0
APR	5.88	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 16.9 dam³

SEINE RIVER NEAR PRAIRIE GROVE - STATION NO. 05OH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.029B	0 B	0.215B	1.22 B	0.407	1.07	0.887	0.082	0.091	0.440	1.67	0.490B	1
2	0.028B	0 B	0.325B	1.27 B	0.423	0.967	0.895	0.067	0.086	0.865	1.75	0.488B	2
3	0.027B	0 B	0.260B	1.31 B	0.403	0.896	0.943	0.045	0.074	1.08	1.77	0.478B	3
4	0.025B	0 B	0.176B	1.45 B	0.362	0.877	0.860	0.028	0.045	1.31	1.80	0.515B	4
5	0.023B	0 B	0.123B	1.27 B	0.366	0.803	0.802	0.017	0.027	1.74	1.79	0.535B	5
6	0.021B	0.013B	0.086B	1.33 B	0.384	0.748	0.765	0.111	0.064	1.64	1.72	0.529B	6
7	0.019B	0.019B	0.059B	1.25 B	0.408	0.693	0.656	0.220	0.089	1.58	1.68	0.504B	7
8	0.017B	0.014B	0.049B	1.30 B	0.413	0.622	0.553	0.301	0.102	1.58	1.18 B	0.529B	8
9	0.015B	0.004B	0.079B	1.22 B	0.374	0.726	0.451	0.671	0.198	1.60	0.638B	0.494B	9
10	0.013B	0 B	0.158B	1.34 B	0.380	0.676	0.338	0.829	0.309	1.56	0.352B	0.551B	10
11	0.011B	0 B	0.368B	1.37 B	0.383	0.582	0.285	0.601	1.04	1.57	0.578B	0.550B	11
12	0.009B	0.021B	0.267B	1.34 B	0.384	0.496	0.245	0.436	1.28	1.64	0.321B	0.515B	12
13	0.007B	0.080B	0.434B	0.700B	0.373	0.468	0.216	0.479	0.873	2.20	0.399B	0.502B	13
14	0.005B	0.103B	0.716B	0.571B	0.364	0.538	0.187	0.626	0.615	1.88	0.347	0.525B	14
15	0.015B	0.113B	0.667B	0.417B	0.349	0.389	0.160	0.561	0.465	1.62	0.321	0.532B	15
16	0.002B	0.126B	0.836B	0.476B	0.345	0.328	0.151	0.370	0.363	1.89	0.323	0.530B	16
17	0 B	0.138B	0.833B	0.487B	0.350	0.301	0.160	0.266	0.334	2.43	0.330	0.505B	17
18	0 B	0.148B	0.836B	0.438B	0.329	0.292	0.139	0.199	0.313	2.42	0.332	0.480B	18
19	0.002B	0.160B	0.829B	0.448	0.283	0.524	0.124	0.148	0.290	2.34	0.599B	0.460B	19
20	0.019B	0.182B	0.638B	0.479	0.316	0.829	0.121	0.117	0.240	2.27	0.571B	0.447B	20
21	0.020B	0.310B	0.454B	0.428	0.301	0.645	0.130	0.105	0.186	2.18	0.561B	0.494B	21
22	0.018B	0.445B	0.392B	0.413	0.336	0.509	0.141	0.089	0.203	2.12	0.373B	0.498B	22
23	0.021B	0.212B	0.368B	0.395	0.573	0.515	0.123	0.067	0.174	2.04	0.344B	0.498B	23
24	0.023B	0.128B	0.335B	0.362	1.31	0.598	0.140	0.044	0.166	2.04 B	0.399B	0.472B	24
25	0.031B	0.354B	0.696B	0.361	1.49	0.544	0.189	0.044	0.221	1.98 B	0.441B	0.444B	25
26	0.046B	0.268B	0.872B	0.392	1.19	0.415	0.172	0.048	0.167	1.91 B	0.465B	0.400B	26
27	0.042B	0.190B	0.944B	0.429	1.67	0.484	0.130	0.057	0.145	1.85 B	0.483B	0.351B	27
28	0.040B	0.156B	1.15 B	0.413	1.64	0.501	0.100	0.076	0.127	1.79 B	0.486B	0.331B	28
29	0.031B		1.21 B	0.361	1.58	0.590	0.076	0.122	0.193	1.70	0.487B	0.295B	29
30	0.009B		1.08 B	0.363	1.43	0.866	0.063	0.121	0.295	1.63	0.487B	0.273B	30
31	0 B		1.18 B		1.23		0.083	0.093		1.61		0.254B	31
TOTAL	0.568	3.184	16.635	23.603	20.146	18.492	10.285	7.040	8.775	54.505	22.997	14.469	TOTAL
MEAN	0.018	0.114	0.537	0.787	0.650	0.616	0.332	0.227	0.293	1.76	0.767	0.467	MEAN
MAX	0.046	0.445	1.21	1.45	1.67	1.07	0.943	0.829	1.28	2.43	1.80	0.551	MAX
MIN	0	0	0.049	0.361	0.283	0.292	0.063	0.017	0.027	0.440	0.321	0.254	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.550
MAXIMUM DAILY, 2.43 ON OCT 17
MINIMUM DAILY, 0B ON JAN 17
MAXIMUM INSTANTANEOUS,
2.50 AT 17:00 CST ON OCT 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 96 56 10 W
DRAINAGE AREA, 1 090 km²

B - ICE CONDITIONS

REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	49.1	JUL	889
FEB	275	AUG	608
MAR	1 440	SEP	758
APR	2 040	OCT	4 710
MAY	1 740	NOV	1 990
JUN	1 600	DEC	1 250

TOTAL DISCHARGE, 17 300 dam³

SEINE RIVER NEAR STE. ANNE - STATION NO. 05OH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.078B	0.709B	0.387	0.857	0.761	0.106	0.063	0.683	---	---	1
2	---	---	0.054B	0.726B	0.385	0.769	0.711	0.082	0.047	0.925	---	---	2
3	---	---	0.038B	0.724B	0.402	0.711	0.705	0.135	0.035	1.27	---	---	3
4	---	---	0.026B	0.738B	0.414	0.696	0.589	0.168	0.032	1.16	---	---	4
5	---	---	0.019B	0.758B	0.408	0.657	0.525	0.240	0.044	1.18	---	---	5
6	---	---	0.023B	0.770B	0.418	0.619	0.437	0.276	0.087	1.20	---	---	6
7	---	---	0.043B	0.807B	0.391	0.714	0.377	0.257	0.206	1.16	---	---	7
8	---	---	0.095B	0.960B	0.389	0.656	0.319	0.237	0.665	1.15	---	---	8
9	---	---	0.114B	1.06 B	0.386	0.619	0.260	0.366	1.33	1.16	---	---	9
10	---	---	0.126B	0.875B	0.378	0.568	0.218	0.334	0.838	1.14	---	---	10
11	---	---	0.205B	0.594B	0.375	0.536	0.206	0.243	0.600	1.63	---	---	11
12	---	---	0.249B	0.500A	0.372	0.507	0.209	0.174	0.485	1.17	---	---	12
13	---	---	0.271B	0.541	0.375	0.466	0.172	0.149	0.401	1.14	---	---	13
14	---	---	0.301B	0.519	0.365	0.429	0.160	0.103	0.381	1.55	---	---	14
15	---	---	0.301B	0.487	0.343	0.426	0.168	0.096	0.376	1.93	---	---	15
16	---	---	0.300B	0.456	0.337	0.450	0.169	0.074	0.337	1.80	---	---	16
17	---	---	0.264B	0.522	0.355	0.879	0.168	0.068	0.291	1.71	---	---	17
18	---	---	0.197B	0.492	0.368	0.742	0.148	0.066	0.272	1.67	---	---	18
19	---	---	0.152B	0.466	0.372	0.643	0.180	0.055	0.244	1.61	---	---	19
20	---	---	0.137B	0.436	0.369	0.628	0.258	0.054	0.224	1.58	---	---	20
21	---	---	0.132B	0.418	0.341	0.618	0.215	0.045	0.219	1.48	---	---	21
22	---	---	0.192B	0.416	0.356	0.569	0.150	0.172	0.199	1.39	---	---	22
23	---	---	0.282B	0.422	0.420	0.505	0.100	0.134	0.178	1.26	---	---	23
24	---	---	0.331B	0.444	0.589	0.581	0.080	0.108	0.174	1.13 B	---	---	24
25	---	---	0.398B	0.449	1.25	0.538	0.069	0.088	0.213	1.11 B	---	---	25
26	---	---	0.471B	0.421	1.30	0.529	0.065	0.066	0.231	1.08 B	---	---	26
27	---	---	0.481B	0.407	1.28	0.654	0.063	0.056	0.320	1.01 A	---	---	27
28	---	---	0.494B	0.416	1.19	0.817	0.052	0.049	0.329	0.957E	---	---	28
29	---		0.548B	0.418	1.09	0.742	0.048	0.045	0.491	0.912E	---	---	29
30	---		0.595B	0.400	0.980	0.866	0.067	0.038	0.622	0.850E	---	---	30
31	---		0.639B		0.952		0.108	0.056		0.823E		---	31
TOTAL	---	---	7.556	17.351	17.337	18.991	7.757	4.140	9.934	38.820	---	---	TOTAL
MEAN	---	---	0.244	0.578	0.559	0.633	0.250	0.134	0.331	1.25	---	---	MEAN
MAX	---	---	0.639	1.06	1.30	0.879	0.761	0.366	1.33	1.93	---	---	MAX
MIN	---	---	0.019	0.400	0.337	0.426	0.048	0.038	0.032	0.683	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.497
MAXIMUM DAILY, 1.93 ON OCT 15
MINIMUM DAILY, 0.019B ON MAR 5
MAXIMUM INSTANTANEOUS,
2.00 AT 02:45 CST ON OCT 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 37 00 W
DRAINAGE AREA, 704 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	670
FEB	---	AUG	358
MAR	653	SEP	858
APR	1 500	OCT	3 350
MAY	1 500	NOV	---
JUN	1 640	DEC	---

TOTAL DISCHARGE, 10 500 dam³

SHANNON CREEK NEAR MORDEN - STATION NO. 05OF021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.020B	0.057A	0	0.085	0	0	0	0	---	---	1
2	---	0 B	0.015B	0.048	0	0.076	0	0	0	0	---	---	2
3	---	0 B	0.008B	0.040	0	0.048	0	0	0	0	---	---	3
4	---	0 B	0.004B	0.034	0	0.030	0	0	0	0	---	---	4
5	---	0 B	0.002B	0.024	0	0.018	0	0	0	0	---	---	5
6	---	0 B	0.002B	0.018	0	0.009	0	0	0	0	---	---	6
7	---	0 B	0.002B	0.015	0	0.003	0	0	0	0	---	---	7
8	---	0 B	0.002B	0.010	0	0	0	0	0	0	---	---	8
9	---	0 B	0.004B	0.005	0	0	0	0	0	0	---	---	9
10	---	0 B	0.007B	0.003	0	0	0	0	0	0	---	---	10
11	---	0 B	0.011B	0.001	0	0	0	0	0	0	---	---	11
12	---	0 B	0.040B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.067B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.085B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.110B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.130B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.135B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0.139B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.134B	0	0	0	0	0	0	0	---	---	19
20	---	0.040B	0.130B	0	0	0	0	0	0	0	---	---	20
21	---	0.500B	0.125B	0	0	0	0	0	0	0	---	---	21
22	---	0.960B	0.120B	0	0	0	0	0	0	0	---	---	22
23	---	1.39 B	0.117B	0	0	0	0	0	0	0	---	---	23
24	---	1.00 B	0.115B	0	0	0	0	0	0	0	---	---	24
25	---	0.623B	0.110B	0	0	0	0	0	0	0	---	---	25
26	---	0.360B	0.100E	0	0	0	0	0	0	0	---	---	26
27	---	0.220B	0.094E	0	0.002	0	0	0	0	0	---	---	27
28	---	0.120B	0.090E	0	0.046	0	0	0	0	0	---	---	28
29	---		0.085E	0	0.080	0	0	0	0	0	---	---	29
30	---		0.080E	0	0.095	0	0	0	0	0	---	---	30
31	---		0.068E		0.090		0	0		0		---	31
TOTAL	---	5.213	2.151	0.255	0.313	0.269	0	0	0	0	---	---	TOTAL
MEAN	---	0.186	0.069	0.009	0.010	0.009	0	0	0	0	---	---	MEAN
MAX	---	1.39	0.139	0.057	0.095	0.085	0	0	0	0	---	---	MAX
MIN	---	0	0.002	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.139B ON MAR 18
MINIMUM DAILY, 0 ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 10 N
LONG 97 58 40 W
DRAINAGE AREA, 308 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	450	AUG	0
MAR	186	SEP	0
APR	22.0	OCT	0
MAY	27.0	NOV	---
JUN	23.2	DEC	---

TOTAL DISCHARGE, 258 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SHANNON CREEK NEAR MORRIS - STATION NO. 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.279	0	0.009	0.049	0	0	0	---	---	1
2	---	---	0 B	0.240	0	0.001	0.040	0.072	0	0	---	---	2
3	---	---	0 B	0.223	0	0	0.033	0.120	0	0	---	---	3
4	---	---	0 B	0.200	0	0	0.025	0.070	0	0	---	---	4
5	---	---	0 B	0.169	0	0	0.016	0.089	0	0	---	---	5
6	---	---	0 B	0.133	0	0	0.014	0.172	0	0	---	---	6
7	---	---	0 B	0.112	0	0	0.010	0.180	0	0	---	---	7
8	---	---	0.025B	0.088	0	0	0.006	0.147	0	0	---	---	8
9	---	---	0.050B	0.061	0	0	0.002	0.097	0	0	---	---	9
10	---	---	0.105B	0.056	0	0	0	0.092	0	0	---	---	10
11	---	---	0.245B	0.038	0	0	0.003	0.097	0	0	---	---	11
12	---	---	0.380B	0.019	0	0	0.005	0.073	0	0	---	---	12
13	---	---	0.515B	0.013	0	0	0.002	0.065	0	0	---	---	13
14	---	---	0.650B	0.016	0	0	0.001	0.105	0	0	---	---	14
15	---	---	0.638B	0.020	0	0.003	0.002	0.106	0	0	---	---	15
16	---	---	0.625B	0.016	0	0.001	0.001	0.103	0	0	---	---	16
17	---	---	0.612B	0.011	0	0.002	0	0.117	0	0	---	---	17
18	---	---	0.599B	0	0	0.008	0	0.132	0	0	---	---	18
19	---	---	0.586B	0	0	0.012	0	0.135	0	0	---	---	19
20	---	---	0.573B	0	0	0.017	0	0.134	0	0	---	---	20
21	---	---	0.560B	0	0	0.026	0	0.127	0	0	---	---	21
22	---	---	0.547B	0	0	0.049	0	0.115	0	0	---	---	22
23	---	---	0.534B	0	0	0.057	0	0.100	0	0	---	---	23
24	---	---	0.521B	0	0.144	0.070	0	0.079	0	0	---	---	24
25	---	---	0.508B	0	2.41	0.078	0	0.056	0	0	---	---	25
26	---	---	0.495A	0	1.50	0.078	0	0.033	0	0	---	---	26
27	---	---	0.431	0	0.563	0.099	0	0.015	0	0	---	---	27
28	---	---	0.405	0	0.214	0.090	0	0.010	0	0	---	---	28
29	---		0.360	0	0.157	0.083	0	0.005	0	0	---	---	29
30	---		0.311	0	0.105	0.064	0	0.002	0	0	---	---	30
31	---		0.286		0.036		0	0		0		---	31
TOTAL	---	---	10.561	1.694	5.129	0.747	0.209	2.648	0	0	---	---	TOTAL
MEAN	---	---	0.341	0.056	0.165	0.025	0.007	0.085	0	0	---	---	MEAN
MAX	---	---	0.650	0.279	2.41	0.099	0.049	0.180	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 2.41 ON MAY 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.67 AT 12:35 CST ON MAY 25

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 17 N
LONG 97 25 18 W
DRAINAGE AREA, 653 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	18.1
FEB	---	AUG	229
MAR	912	SEP	0
APR	146	OCT	0
MAY	443	NOV	---
JUN	64.5	DEC	---

TOTAL DISCHARGE, 1 810 dam³

SHANNON CREEK TRIBUTARY NEAR MYRTLE - STATION NO. 05OF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.029	0	0.037	0	0	0	0	---	---	1
2	---	---	0 B	0.017	0	0.023	0	0	0	0	---	---	2
3	---	---	0 B	0.012	0	0.011	0	0	0	0	---	---	3
4	---	---	0 B	0.014	0	0.007	0	0	0	0	---	---	4
5	---	---	0 B	0.016	0	0.007	0	0	0	0	---	---	5
6	---	---	0 B	0.013	0	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.010	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.008	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.007	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.005	0	0	0	0	0	0	---	---	10
11	---	---	0.040B	0.004	0	0	0	0	0	0	---	---	11
12	---	---	0.080B	0.003	0	0	0	0	0	0	---	---	12
13	---	---	0.120B	0.001	0	0	0	0	0	0	---	---	13
14	---	---	0.160B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.200B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.192B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.184B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.176B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.162B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.147B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.133B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.118B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.104B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.090E	0	0.003	0	0	0	0	0	---	---	24
25	---	---	0.075E	0	0.040	0	0	0	0	0	---	---	25
26	---	---	0.061A	0	0.096	0	0	0	0	0	---	---	26
27	---	---	0.053	0	0.136	0	0	0	0	0	---	---	27
28	---	---	0.052	0	0.114	0	0	0	0	0	---	---	28
29	---		0.047	0	0.099	0	0	0	0	0	---	---	29
30	---		0.045	0	0.074	0	0	0	0	0	---	---	30
31	---		0.042		0.053		0	0		0		---	31
TOTAL	---	---	2.281	0.139	0.615	0.087	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.074	0.005	0.020	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0.200	0.029	0.136	0.037	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.200B ON MAR 15
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 34 N
LONG 97 50 33 W
DRAINAGE AREA, 168 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	197	SEP	0
APR	12.0	OCT	0
MAY	53.1	NOV	---
JUN	7.52	DEC	---

TOTAL DISCHARGE, 270 dam³

SHELL RIVER NEAR INGLIS - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.384B	0.348B	0.632B	6.81E	3.27	2.29	1.87	1.03	0.815	0.795	1.66	0.866B	1
2	0.378B	0.350B	0.651B	6.93E	3.11	2.24	2.25	1.08	0.840	0.834	1.64	0.835B	2
3	0.372B	0.352B	0.671B	6.54E	2.99	2.26	2.09	1.01	0.889	1.04	1.64	0.804B	3
4	0.366B	0.354B	0.690B	6.15E	3.03	2.30	1.85	0.999	0.841	1.12	1.64	0.773B	4
5	0.360B	0.356B	0.710B	5.77E	3.03	2.18	1.85	0.998	0.782	1.17	1.64	0.742B	5
6	0.354B	0.358B	0.730B	5.38E	3.10	2.13	1.87	0.910	0.733	1.11	1.64	0.711B	6
7	0.348B	0.360B	0.749B	4.99A	3.18	2.11	1.83	0.874	0.707	1.04	1.61 B	0.680B	7
8	0.342B	0.762B	0.769B	4.42	3.29	1.82	1.69	0.830	0.656	1.03	1.58 B	0.649B	8
9	0.336B	0.364B	0.789B	4.40	3.15	1.69	1.63	0.870	0.641	1.11	1.55 B	0.618B	9
10	0.330B	0.366B	0.808B	4.33	3.10	1.60	1.54	0.944	0.623	1.09	1.52 B	0.587B	10
11	0.324B	0.367B	1.10 B	4.21	3.03	1.52	1.42	0.949	0.605	1.03	1.47 B	0.556B	11
12	0.318B	0.369B	1.40 B	4.73	2.95	1.45	1.34	0.928	0.525A	1.05	1.46 B	0.525B	12
13	0.312B	0.371B	1.70 B	3.90	2.87	1.39	1.27	0.921	0.390	1.23	1.42 B	0.494B	13
14	0.314B	0.373B	1.99 B	3.64	2.78	1.41	1.31	0.915	0.390	1.24	1.39 B	0.463B	14
15	0.316B	0.375B	2.29 B	4.38	2.68	1.71	1.41	0.889	0.360	1.23	1.36 B	0.432B	15
16	0.318B	0.377B	2.58 B	4.80	2.57	1.75	1.50	0.894	0.379	1.23	1.33 B	0.424B	16
17	0.320B	0.397B	2.88 B	4.53	2.54	1.79	1.54	0.870	0.392	1.29	1.30 B	0.417B	17
18	0.322B	0.416B	3.17 B	4.14	2.47	1.73	1.58	0.813	0.417	1.36	1.27 B	0.409B	18
19	0.323B	0.436B	3.47 B	3.92	2.40	1.68	1.51	0.838	0.399	1.52	1.24 B	0.402B	19
20	0.325B	0.455B	3.77 B	3.61	2.32	1.89	1.35	0.790	0.411	1.54	1.21 B	0.394B	20
21	0.327B	0.475B	4.06 B	3.59	2.27	2.06	1.24	0.808	0.394	1.56	1.18 B	0.387B	21
22	0.329B	0.495B	4.36 B	3.50	2.22	2.25	1.20	0.682	0.342	1.55 B	1.15 B	0.379B	22
23	0.331B	0.514B	4.65 B	3.38	2.18	2.25	1.18	0.605	0.370	1.54 B	1.11 B	0.371B	23
24	0.333B	0.534B	4.95 B	3.38	2.18	2.38	1.23	0.682	0.395	1.48 B	1.08 B	0.364B	24
25	0.335B	0.553B	5.24 B	3.33	2.15	2.29	1.14	0.914	0.449	1.39 B	1.05 B	0.356B	25
26	0.337B	0.573B	5.54 E	3.30	2.12	2.24	1.08	0.941	0.643	1.53	1.02 B	0.348B	26
27	0.339B	0.592B	5.84 E	3.21	2.08	2.15	1.04	0.884	0.745	1.48	0.990B	0.340B	27
28	0.341B	0.612B	6.14 E	3.13	2.05	2.04	0.989	0.800	0.834	1.47	0.959B	0.333B	28
29	0.343B		6.44 E	3.31	2.33	2.03	0.946	0.763	0.767	1.52	0.928B	0.325B	29
30	0.344B		6.56 E	3.34	2.48	1.92	0.952	0.687	0.824	1.59	0.897B	0.317B	30
31	0.346B		6.69 E		2.40		0.992	0.773		1.69		0.310B	31
TOTAL	10.467	11.854	92.019	131.05	82.32	58.55	44.689	26.891	17.558	39.859	39.934	15.611	TOTAL
MEAN	0.338	0.423	2.97	4.37	2.66	1.95	1.44	0.867	0.585	1.29	1.33	0.504	MEAN
MAX	0.384	0.612	6.69	6.93	3.29	2.38	2.25	1.08	0.889	1.69	1.66	0.866	MAX
MIN	0.312	0.348	0.632	3.13	2.05	1.39	0.946	0.605	0.342	0.795	0.897	0.310	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.56
MAXIMUM DAILY, 6.93E ON APR 2
MINIMUM DAILY, 0.310B ON DEC 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 40 N
LONG 101 19 05 W
DRAINAGE AREA, 2 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	904	JUL	3 860
FEB	1 020	AUG	2 320
MAR	7 950	SEP	1 520
APR	11 300	OCT	3 440
MAY	7 110	NOV	3 450
JUN	5 060	DEC	1 350

TOTAL DISCHARGE, 49 300 dam³

SHELL RIVER NEAR ROBLIN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.600B	2.82B	1.88	1.75	---	---	---	---	---	---	1
2	---	---	0.600B	2.73B	1.87	1.57	---	---	---	---	---	---	2
3	---	---	0.600B	3.16B	2.10	1.52	---	---	---	---	---	---	3
4	---	---	0.601B	2.89B	2.23	1.57	---	---	---	---	---	---	4
5	---	---	0.601B	3.08B	2.48	1.35	---	---	---	---	---	---	5
6	---	---	0.602B	2.84B	2.37	1.23	---	---	---	---	---	---	6
7	---	---	0.603B	2.42B	2.33	1.16	---	---	---	---	---	---	7
8	---	---	0.605B	2.34B	2.28	1.09	---	---	---	---	---	---	8
9	---	---	0.607B	2.83B	2.19	1.06	---	---	---	---	---	---	9
10	---	---	0.609B	2.74B	2.09	1.03	---	---	---	---	---	---	10
11	---	---	0.613B	2.91B	1.97	0.972	---	---	---	---	---	---	11
12	---	---	0.618B	2.94B	1.87	0.941	---	---	---	---	---	---	12
13	---	---	0.623B	3.90B	1.78	0.901	---	---	---	---	---	---	13
14	---	---	0.629B	4.41B	1.80	0.969	---	---	---	---	---	---	14
15	---	---	0.635B	4.54B	1.73	1.09	---	---	---	---	---	---	15
16	---	---	0.641B	2.74A	1.62	1.23	---	---	---	---	---	---	16
17	---	---	0.647B	2.66A	1.53	1.61	---	---	---	---	---	---	17
18	---	---	0.653B	2.28A	1.46	1.96	---	---	---	---	---	---	18
19	---	---	0.659B	2.29A	1.41	1.92	---	---	---	---	---	---	19
20	---	---	0.665B	2.36A	1.39	1.86	---	---	---	---	---	---	20
21	---	---	0.671B	2.30A	1.32	2.01	---	---	---	---	---	---	21
22	---	---	0.677B	2.25A	1.25	2.02	---	---	---	---	---	---	22
23	---	---	0.683B	2.24A	1.25	2.00	---	---	---	---	---	---	23
24	---	---	1.32 B	2.16A	1.27	1.99	---	---	---	---	---	---	24
25	---	---	1.96 B	2.14A	1.27	1.90	---	---	---	---	---	---	25
26	---	---	2.42 B	2.11A	1.22	1.81	---	---	---	---	---	---	26
27	---	---	2.50 B	2.10A	1.24	1.67	---	---	---	---	---	---	27
28	---	---	3.41 B	2.04A	1.21	1.58	---	---	---	---	---	---	28
29	---		4.67 B	2.04A	1.46	1.52	---	---	---	---	---	---	29
30	---		5.16 B	1.94	1.59	1.43	---	---	---	---	---	---	30
31	---		4.43 B		1.77		---	---		---		---	31
TOTAL	---	---	40.312	80.20	53.23	44.713	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.30	2.67	1.72	1.49	---	---	---	---	---	---	MEAN
MAX	---	---	5.16	4.54	2.48	2.02	---	---	---	---	---	---	MAX
MIN	---	---	0.600	1.94	1.21	0.901	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.79
MAXIMUM DAILY, 5.16B ON MAR 30
MINIMUM DAILY, 0.600B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	3 480	SEP	---
APR	6 930	OCT	---
MAY	4 600	NOV	---
JUN	3 860	DEC	---

TOTAL DISCHARGE, 18 900 dam³

SHOAL LAKE AT INDIAN BAY - STATION NO. 05PD004

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	321.994	---	---	---	---	---	---	---	1
2	322.149	---	---	---	---	---	---	---	---	322.356	---	---	2
3	---	---	---	322.027	---	---	322.155	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	322.247	---	---	322.524	4
5	---	---	---	---	---	321.991	---	---	---	---	---	---	5
6	---	322.100	322.052	---	---	---	---	---	---	---	322.494	---	6
7	---	---	---	---	---	---	---	322.222	---	---	---	---	7
8	---	---	---	---	321.972	---	---	---	---	---	---	---	8
9	322.143	---	---	---	---	---	---	---	---	322.399	---	---	9
10	---	---	---	322.018	---	---	322.155	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	322.338	---	---	322.545	11
12	---	---	---	---	---	322.009	---	---	---	---	---	---	12
13	---	322.088	322.046	---	---	---	---	---	---	---	322.503	---	13
14	---	---	---	---	---	---	---	322.222	---	---	---	---	14
15	---	---	---	---	321.969	---	---	---	---	---	---	---	15
16	322.131	---	---	---	---	---	---	---	---	322.420	---	---	16
17	---	---	---	321.960	---	---	322.137	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	322.344	---	---	322.536	18
19	---	---	---	---	---	322.076	---	---	---	---	---	---	19
20	---	322.088	322.024	---	---	---	---	---	---	---	322.494	---	20
21	---	---	---	---	---	---	---	322.222	---	---	---	---	21
22	---	---	---	---	321.966	---	---	---	---	---	---	---	22
23	322.119	---	---	---	---	---	---	---	---	322.448	---	---	23
24	---	---	---	321.991	---	---	322.155	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	322.332	---	---	322.549	25
26	---	---	---	---	---	322.082	---	---	---	---	---	---	26
27	---	322.064	322.009	---	---	---	---	---	---	---	322.524	---	27
28	---	---	---	---	---	---	---	322.241	---	---	---	---	28
29	---		---	---	321.985	---	---	---	---	322.460	---	---	29
30	322.113		---	---	---	---	---	---	---	---		322.552	30
31	---		---		---		322.168	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 322.552 ON DEC 31
MINIMUM DAILY, 321.960 ON APR 17

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 20 N
LONG 95 12 30 W
DATA CONTRIBUTED BY -
GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHOAL LAKE NEAR SHOAL LAKE - STATION NO. 05MG007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	546.751	546.687	546.652	546.567	546.516	546.478	546.489	---	1
2	---	---	---	---	546.754	546.680	546.661	546.567	546.513	546.471	546.486A	---	2
3	---	---	---	---	546.756	546.676	546.656	546.569	546.507	546.483	---	---	3
4	---	---	---	---	546.752	546.677	546.649	546.568	546.496	546.479	---	---	4
5	---	---	---	---	546.750	546.682	546.650	546.582	546.493	546.481	---	---	5
6	---	---	---	546.765A	546.746	546.674	546.640	546.585	546.504	546.476	---	---	6
7	---	---	---	---	546.741	546.674	546.643	546.577	546.494	546.472	---	---	7
8	---	---	---	---	546.759	546.667	546.649	546.576	546.488	546.472	---	---	8
9	---	---	---	---	546.732	546.665	546.637	546.561	546.489	546.472	---	---	9
10	---	---	---	---	546.728	546.663	546.635	546.559	546.485	546.472	---	---	10
11	---	---	---	---	546.726	546.657	546.628	546.558	546.478	546.470	---	---	11
12	---	---	---	---	546.724	546.654	546.623	546.551	546.476	546.473	---	---	12
13	---	---	---	---	546.724	546.659	546.621	546.548	546.475	546.482	---	---	13
14	---	---	---	---	546.721	546.662	546.619	546.543	546.473	546.480	---	---	14
15	---	---	---	---	546.736	546.670	546.617	546.535	546.470	546.480	---	---	15
16	---	---	---	---	546.718	546.655	546.617	546.531	546.460	546.479	---	---	16
17	---	---	---	---	546.707	546.664	546.617	546.528	546.454	546.501	---	---	17
18	---	---	546.743A	---	546.702	546.664	546.611	546.529	546.455	546.489	---	---	18
19	---	---	---	---	546.696	546.656	546.610	546.530	546.452	546.484	---	---	19
20	---	---	---	---	546.692	546.656	546.611	546.530	546.446	546.485	---	---	20
21	---	---	---	---	546.693	546.655	546.601	546.523	546.445	546.478	---	---	21
22	---	---	---	---	546.726	546.656	546.595	546.521	546.440	546.484	---	---	22
23	---	---	---	---	546.716	546.667	546.594	546.525	546.441	546.476	---	---	23
24	---	---	---	---	546.711	546.679	546.601	546.525	546.438	546.475	---	---	24
25	---	---	---	---	546.704	546.678	546.593	546.522	546.443	546.476	---	---	25
26	---	---	---	---	546.694	546.670	546.586	546.521	546.478	546.476	---	---	26
27	---	---	---	---	546.692	546.671	546.580	546.512	546.473	546.476	---	---	27
28	---	---	---	546.737A	546.692	546.668	546.572	546.504	546.469	546.475	---	---	28
29	---		---	546.751	546.700	546.663	546.573	546.499	546.467	546.477	---	---	29
30	---		---	546.763	546.690	546.656	546.576	546.500	546.482	546.483	---	---	30
31	---		---		546.689		546.573	546.532		546.488		---	31
MEAN	---	---	---	---	546.720	546.667	546.616	546.541	546.473	546.479	---	---	MEAN
MAX	---	---	---	---	546.759	546.687	546.661	546.585	546.516	546.501	---	---	MAX
MIN	---	---	---	---	546.689	546.654	546.572	546.499	546.438	546.470	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 22 20 N
LONG 100 37 50 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SILVER CREEK NEAR GRANDVIEW - STATION NO. 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.333B	0.214	0.174	0.511	0	0.003	0.004	---	---	1
2	---	---	0 B	0.286B	0.193	0.133	2.59	0	0.001	0.001	---	---	2
3	---	---	0 B	0.258B	0.148	0.100	1.61	0	0 A	0	---	---	3
4	---	---	0 B	0.240B	0.144	0.092	1.24	0	0 E	0.001A	---	---	4
5	---	---	0 B	0.231B	0.145	0.094	1.04	0	0 E	0 E	---	---	5
6	---	---	0 B	0.237B	0.131	0.077	1.09	0.007	0 E	0 A	---	---	6
7	---	---	0 B	0.243B	0.127	0.079	0.907	0	0 E	0.009	---	---	7
8	---	---	0 B	0.249B	0.133	0.078	0.654	0	0 E	0.038	---	---	8
9	---	---	0 B	0.258B	0.121	0.073	0.756	0	0 A	0.041	---	---	9
10	---	---	0 B	0.255B	0.110	0.086	0.488	0	0	0.035	---	---	10
11	---	---	0.001B	0.240B	0.102	0.071	0.305	0	0	0.032	---	---	11
12	---	---	0.004B	0.220B	0.503	0.063	0.185	0	0	0.054	---	---	12
13	---	---	0.012B	0.200E	0.434	0.056	0.101	0	0	0.101	---	---	13
14	---	---	0.020B	0.172A	0.237	0.066	0.089	0	0	0.321	---	---	14
15	---	---	0.025B	0.161E	0.152	0.101	0.084	0	0	0.219	---	---	15
16	---	---	0.030B	0.261E	0.127	0.119	0.106	0	0	0.172	---	---	16
17	---	---	0.029B	0.249E	0.101	0.193	0.100	0	0	0.160	---	---	17
18	---	---	0.028B	0.243E	0.089	0.213	0.104	0	0	0.138	---	---	18
19	---	---	0.028B	0.233	0.079	0.161	0.102	0	0	0.108	---	---	19
20	---	---	0.028B	0.189	0.071	0.153	0.098	0	0	0.088	---	---	20
21	---	---	0.027B	0.181	0.070	0.135	0.072	0	0	0.078	---	---	21
22	---	---	0.027B	0.182	0.061	0.129	0.052	0	0	0.069	---	---	22
23	---	---	0.051B	0.166	0.064	0.166	0.041	0	0	0.061	---	---	23
24	---	---	0.129B	0.141	0.070	0.198	0.053	0	0	0.064	---	---	24
25	---	---	0.200B	0.126	0.069	0.209	0.042	0	0	0.059	---	---	25
26	---	---	0.246B	0.150	0.069	0.167	0.033	0	0	0.058	---	---	26
27	---	---	0.261B	0.171	0.066	0.149	0.019	0	0	0.065	---	---	27
28	---	---	0.279B	0.233	0.074	0.137	0.012	0	0	0.071	---	---	28
29	---		0.301B	0.209	0.179	0.161	0.001	0	0	0.130	---	---	29
30	---		0.313B	0.228	0.242	0.166	0.001	0	0	0.237	---	---	30
31	---		0.325B		0.223		0.001	0		0.331			31
TOTAL	---	---	2.364	6.545	4.548	3.799	12.487	0.007	0.004	2.745	---	---	TOTAL
MEAN	---	---	0.076	0.218	0.147	0.127	0.403	0	0	0.089	---	---	MEAN
MAX	---	---	0.325	0.333	0.503	0.213	2.59	0.007	0.003	0.331	---	---	MAX
MIN	---	---	0	0.126	0.061	0.056	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.133
MAXIMUM DAILY, 2.59 ON JUL 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.72 AT 00:06 CST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 28 N
LONG 100 41 42 W
DRAINAGE AREA, 137 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 080
FEB	---	AUG	0.60
MAR	204	SEP	0.35
APR	565	OCT	237
MAY	393	NOV	---
JUN	328	DEC	---

TOTAL DISCHARGE, 2 810 dam³

SIMONHOUSE LAKE NEAR CRANBERRY PORTAGE - STATION NO. 05TA002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	295.352A	295.366A	295.286A	295.251E	295.129	---	---	1
2	---	---	---	---	---	295.357A	295.370E	295.288E	295.235E	295.121	---	---	2
3	---	---	---	---	---	295.357A	295.374A	295.290A	295.220E	295.124	---	---	3
4	---	---	---	---	---	295.361E	295.368A	295.289E	295.204E	295.127	---	---	4
5	---	---	---	---	---	295.365A	295.367E	295.288A	295.189A	295.130	---	---	5
6	---	---	---	---	---	295.357A	295.366A	295.302E	295.207E	295.128	---	---	6
7	---	---	---	---	---	295.366E	295.366E	295.316A	295.225A	295.121	---	---	7
8	---	---	---	---	---	295.375A	295.366A	295.297E	295.215E	295.118	---	---	8
9	---	---	---	---	---	295.376E	295.361E	295.277E	295.204E	295.126	---	---	9
10	---	---	---	---	---	295.376E	295.356A	295.257A	295.194E	295.137	---	---	10
11	---	---	---	---	295.353A	295.377A	295.334A	295.252E	295.183E	295.150	---	---	11
12	---	---	---	---	295.354E	295.373A	295.330E	295.247A	295.173A	295.160	---	---	12
13	---	---	---	---	295.354E	295.377A	295.326A	295.259E	295.165E	295.174	---	---	13
14	---	---	---	---	295.354A	295.371E	295.333E	295.270A	295.157A	295.174	---	---	14
15	---	---	---	---	295.354E	295.365A	295.339A	295.235A	295.153E	295.177	---	---	15
16	---	---	---	---	295.354A	295.390E	295.333E	295.233E	295.149E	295.185	---	---	16
17	---	---	295.408A	---	295.354E	295.415A	295.327A	295.231E	295.145E	295.205	---	---	17
18	---	---	---	---	295.354A	295.401E	295.331A	295.229E	295.142E	295.196	---	---	18
19	---	---	---	---	295.375A	295.387A	295.329E	295.227A	295.138E	295.183	---	---	19
20	---	---	---	---	295.365E	295.379A	295.327A	295.233A	295.134E	295.190	---	---	20
21	---	---	---	---	295.354A	295.372E	295.315A	295.219A	295.130A	295.186	---	---	21
22	---	---	---	---	295.377E	295.365A	295.313E	295.224E	295.140A	295.197	---	---	22
23	---	---	---	---	295.397A	295.365E	295.311A	295.229E	295.150A	295.163	---	---	23
24	---	---	---	---	295.354A	295.365E	295.308E	295.234A	295.144	295.203	---	---	24
25	---	---	---	---	295.364E	295.365E	295.305E	295.229E	295.136	295.167	---	---	25
26	---	---	---	---	295.374E	295.365E	295.302E	295.224A	295.146	295.168	---	---	26
27	---	---	---	---	295.385E	295.366E	295.299A	295.222E	295.156	295.167	---	---	27
28	---	---	---	---	295.395A	295.366E	295.296E	295.220A	295.140	295.162	---	---	28
29	---		---	---	295.374E	295.366E	295.294E	295.235E	295.133	295.160A	---	---	29
30	---		---	---	295.353A	295.366E	295.291E	295.250E	295.135	295.160E	---	---	30
31	---		---		295.352E		295.289E	295.266A		295.160E		---	31
MEAN	---	---	---	---	---	295.371	295.332	295.253	295.170	295.160	---	---	MEAN
MAX	---	---	---	---	---	295.415	295.374	295.316	295.251	295.205	---	---	MAX
MIN	---	---	---	---	---	295.352	295.289	295.219	295.130	295.118	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 295.118 ON OCT 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 31 30 N
LONG 101 07 33 W

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO. 05UD006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.892	---	3.409	2.028	1.843	2.601	2.660	1.961	2.531	2.461	3.693	4.286	1
2	3.903	---	3.359	1.987	1.873	2.590	2.662	2.027	2.547	2.436	3.718	4.280	2
3	3.905	---	3.334	1.950	1.892	2.568	2.635	2.105	2.588	2.438	3.730	4.292	3
4	3.913	---	3.300	1.931	1.904	2.550	2.612	2.203	2.564	2.435	3.770	4.275	4
5	3.921	---	3.282	1.912	1.921	2.540	2.625	2.262	2.560	2.435	3.799	4.261	5
6	3.925	---	3.253	1.894	1.939	2.528	2.609	2.312	2.597	2.438	3.804	4.226	6
7	3.917	---	3.230	1.897	1.968	2.557	2.613	2.350	2.615	2.441	3.823	4.201	7
8	3.913	---	3.207	1.871	2.002	2.567	2.621	2.370	2.626	2.433	3.855	4.168	8
9	3.913	---	3.185	1.864	2.045	2.571	2.573	2.393	2.635	2.455	3.873	4.137	9
10	3.888	---	3.162	1.844	2.110	2.571	2.527	2.397	2.653	2.518	3.905	4.099	10
11	3.883	---	3.137	1.837	2.170	2.570	2.462	2.373	2.671	2.583	3.939	4.051	11
12	3.880	---	3.112	1.823	2.222	2.563	2.400	2.376	2.688	2.596	3.983	4.026	12
13	3.884	---	3.079	1.825	2.279	2.541	2.358	2.379	2.710	2.673	4.014	3.985	13
14	3.882	---	3.058	1.819	2.289	2.530	2.304	2.378	2.728	2.723	4.032	3.963A	14
15	3.881	---	3.020	1.797	2.317	2.546	2.266	2.372	2.715	2.773	4.049	---	15
16	3.889	---	2.975	1.787	2.355	2.544	2.236	2.369	2.699	2.839	4.091	---	16
17	3.888	---	2.924	1.780	2.393	2.533	2.207	2.358	2.684	2.917	4.122	---	17
18	3.892	---	2.872	1.784	2.435	2.593	2.181	2.359	2.645	2.984	4.149	---	18
19	3.892	---	2.822	1.774	2.484	2.586	2.132	2.364	2.616	3.035	4.177	---	19
20	3.891	---	2.772	1.769	2.528	2.600	2.112	2.361	2.588	3.101	4.186	---	20
21	3.907	---	2.714	1.771	2.564	2.608	2.075	2.369	2.563	3.156	4.206	---	21
22	3.920	---	2.653	1.783	2.570	2.619	2.042	2.378	2.549	3.210	4.221	---	22
23	3.918	3.603A	2.586	1.777	2.607	2.611	2.001	2.396	2.543	3.262	4.240	---	23
24	3.927	3.589	2.531	1.770	2.644	2.617	1.990	2.404	2.511	3.309	4.265	---	24
25	3.938	3.548	2.457	1.783	2.668	2.655	1.966	2.437	2.483	3.369	4.286	---	25
26	3.941A	3.519	2.387	1.785	2.667	2.653	1.946	2.472	2.467	3.411	4.304	---	26
27	---	3.474	2.322	1.792	2.651	2.654	1.902	2.469	2.504	3.477	4.314	---	27
28	---	3.432	2.258	1.805	2.627	2.663	1.848	2.474	2.479	3.534	4.313	---	28
29	---		2.177	1.818	2.609	2.660	1.821	2.462	2.465	3.578	4.311	---	29
30	---		2.121	1.829	2.610	2.660	1.818	2.445	2.476	3.609	4.306	---	30
31	---		2.078		2.611		1.879	2.497		3.647		---	31
MEAN	---	---	2.864	1.836	2.316	2.588	2.261	2.351	2.590	2.911	4.049	---	MEAN
MAX	---	---	3.409	2.028	2.668	2.663	2.662	2.497	2.728	3.647	4.314	---	MAX
MIN	---	---	2.078	1.769	1.843	2.528	1.818	1.961	2.465	2.433	3.693	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

REGULATED

MAXIMUM DAILY, 4.314 ON NOV 27
MINIMUM DAILY, 1.769 ON APR 20
MAXIMUM INSTANTANEOUS,
4.316 AT 20:00 CST ON NOV 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SNOW LAKE AT SNOW LAKE - STATION NO. 05TB801

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	274.863	274.878	274.817	---	274.558	274.421	---	---	---	1
2	---	---	---	---	---	---	---	---	---	274.354	---	---	2
3	---	---	---	---	---	274.802	---	---	---	---	274.719	---	3
4	---	---	---	274.863	274.884	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	274.543	---	274.354	274.750	---	5
6	---	---	---	274.866	274.884	274.786	---	---	274.421	---	---	---	6
7	---	---	---	---	---	---	---	---	---	274.354	274.780	---	7
8	---	---	---	---	274.914	274.780	---	274.512	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	274.354	---	---	9
10	---	---	---	274.872	---	274.771	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	274.969	274.756	---	---	---	274.363	---	---	12
13	---	---	---	274.872	---	---	---	---	---	---	---	---	13
14	---	---	---	---	274.963	---	---	---	---	274.415	---	---	14
15	---	---	---	---	---	274.728	---	---	274.390	---	---	---	15
16	---	---	---	274.872	274.954	---	---	---	---	274.445	---	---	16
17	---	---	---	---	---	274.725	---	---	---	---	---	---	17
18	---	---	---	---	274.948	---	274.664	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	274.475	---	---	19
20	---	---	---	274.878	274.939	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	274.634	---	---	---	---	---	21
22	---	---	---	---	---	274.725	---	---	---	---	---	---	22
23	---	---	---	---	274.924	---	274.634	---	---	---	---	---	23
24	---	---	---	274.878	---	---	---	---	---	274.552	---	---	24
25	---	---	---	---	274.908	274.786	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	274.628	---	---	26
27	---	---	---	274.878	274.878	274.802	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	274.375	274.658	---	---	28
29	---		---	274.878	---	274.817	---	---	---	---	---	---	29
30	---		---	---	274.863	---	274.558	---	---	274.689	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 10 N
LONG 100 01 50 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

MAXIMUM DAILY, 274.969 ON MAY 12

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO. 05OB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0 B	0.136B	0.658	0.444	0.147	0.091	0.001	0.001	0.002	0.003	0B	1
2	0B	0 B	0.078B	0.656	0.453	0.147	0.076	0.001	0.001	0.001	0.002	0B	2
3	0B	0 B	0.041B	0.655	0.425	0.131	0.075	0.001	0.001	0.001	0.002	0B	3
4	0B	0 B	0.055B	0.638	0.392	0.141	0.075	0.001	0.001	0.004	0.002	0B	4
5	0B	0 B	0.003B	0.692	0.391	0.136	0.070	0.015	0.001	0.003	0.002	0B	5
6	0B	0 B	0.025B	0.704	0.380	0.127	0.046	0.007	0.006	0.002	0.002	0B	6
7	0B	0 B	0.041B	0.705	0.378	0.126	0.021	0.006	0.004	0.001	0.001	0B	7
8	0B	0 B	0.028B	0.682	0.381	0.115	0.008	0.004	0.002	0.001	0.001	0B	8
9	0B	0 B	0.071B	0.694	0.347	0.118	0.002	0.001	0.001	0.001	0.001	0B	9
10	0B	0 B	0.020B	0.698	0.357	0.113	0.001	0.001	0	0.001	0.001	0B	10
11	0B	0 B	0.078B	0.648	0.358	0.099	0.001	0	0	0.001	0.001	0B	11
12	0B	0 B	0.175B	0.677	0.347	0.090	0.001	0	0	0.004	0.001	0B	12
13	0B	0 B	0.254B	0.659	0.332	0.098	0.001	0	0	0.005	0.002	0B	13
14	0B	0 B	0.260B	0.633	0.317	0.096	0.001	0	0	0.003	0.002	0B	14
15	0B	0 B	0.231B	0.651	0.305	0.099	0.006	0	0	0.002	0.002	0B	15
16	0B	0.002B	0.221B	0.633	0.261	0.096	0.007	0	0	0.002	0.002	0B	16
17	0B	0.007B	0.169B	0.594	0.248	0.103	0.002	0	0	0.003	0.002	0B	17
18	0B	0.012B	0.129B	0.578	0.239	0.103	0.001	0	0	0.002	0.002	0B	18
19	0B	0.332B	0.122B	0.554	0.220	0.112	0.001	0	0	0.002	0.001	0B	19
20	0B	0.463B	0.155B	0.551	0.201	0.117	0.001	0	0	0.002	0.001	0B	20
21	0B	0.613B	0.129B	0.581	0.199	0.103	0.001	0	0	0.002	0.001	0B	21
22	0B	0.591B	0.137B	0.540	0.419	0.126	0.001	0	0	0.002	0 B	0B	22
23	0B	0.638B	0.135B	0.501	0.454	0.115	0.001	0.028	0	0.001	0 B	0B	23
24	0B	0.465B	0.125B	0.494	0.224	0.137	0.001	0.016	0	0.001	0 B	0B	24
25	0B	0.297B	0.140B	0.493	0.193	0.115	0.001	0.007	0	0.002	0 B	0B	25
26	0B	0.220B	0.170B	0.487	0.207	0.125	0.001	0.004	0	0.002	0 B	0B	26
27	0B	0.156B	0.280B	0.471	0.213	0.121	0.001	0.002	0	0.002	0 B	0B	27
28	0B	0.117B	0.366B	0.473	0.202	0.109	0.001	0.001	0	0.002	0 B	0B	28
29	0B		0.395B	0.474	0.187	0.098	0.001	0.001	0	0.002	0 B	0B	29
30	0B		0.486B	0.464	0.167	0.097	0.001	0.001	0.001	0.003	0 B	0B	30
31	0B		0.547B		0.149		0.001	0.002		0.004		0B	31
TOTAL	0	3.913	5.202	17.938	9.390	3.460	0.498	0.100	0.019	0.066	0.034	0	TOTAL
MEAN	0	0.140	0.168	0.598	0.303	0.115	0.016	0.003	0.001	0.002	0.001	0	MEAN
MAX	0	0.638	0.547	0.705	0.454	0.147	0.091	0.028	0.006	0.005	0.003	0	MAX
MIN	0	0	0.003	0.464	0.149	0.090	0.001	0	0	0.001	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 0.705 ON APR 7
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
2.31 AT 22:16 CST ON MAY 22

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 98 36 13 W
DRAINAGE AREA, 979 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	43.0
FEB	338	AUG	8.64
MAR	849	SEP	1.64
APR	1 550	OCT	5.70
MAY	811	NOV	2.94
JUN	299	DEC	0

TOTAL DISCHARGE, 3 516 dam³

SOURIS RIVER AT SOURIS - STATION NO. 05NG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	4.59B	6.56	8.32	3.40	4.54	1.03	1.15	1.17	---	---	1
2	---	---	4.28B	7.21	8.01	3.49	4.66	0.996	1.08	1.24	---	---	2
3	---	---	4.85B	7.30	7.50	3.69	4.37	0.967	0.959	1.27	---	---	3
4	---	---	5.75B	7.77	7.65	4.04	3.86	0.974	0.901	1.26	---	---	4
5	---	---	5.89B	7.71	7.43	4.61	3.37	1.37	0.908	1.24	---	---	5
6	---	---	5.65B	7.32	6.99	4.04	2.94	1.59	0.921	1.22	---	---	6
7	---	---	5.55B	6.82	6.96	3.95	2.61	1.41	0.913	1.14	---	---	7
8	---	---	5.39B	6.78	6.82	3.62	2.37	1.35	0.926	1.05	---	---	8
9	---	---	5.24B	6.61	6.37	3.37	2.24	1.47	0.980	1.05	---	---	9
10	---	---	5.31B	6.39	4.79	3.27	2.04	1.52	0.985	1.01	---	---	10
11	---	---	5.82B	6.34	3.55	3.21	2.53	1.38	0.925	1.05	---	---	11
12	---	---	6.42B	6.35	2.78	3.24	2.42	1.22	0.870	1.24	---	---	12
13	---	---	6.77B	6.25	2.51	3.17	2.22	1.15	0.873	1.15	---	---	13
14	---	---	7.76B	6.33	2.46	3.35	1.94	1.05	0.865	1.10	---	---	14
15	---	---	9.30B	6.31	2.18	3.60	1.83	0.984	0.850	1.17	---	---	15
16	---	---	11.5 B	6.13	2.07	4.00	1.63	0.943	0.860	1.27	---	---	16
17	---	---	12.9	5.93	1.93	4.58	1.49	0.900	0.861	1.15	---	---	17
18	---	---	10.6	5.82	1.90	4.70	1.39	0.884	0.845	0.972	---	---	18
19	---	---	8.74	5.60	2.11	4.81	1.28	0.932	0.837	0.912	---	---	19
20	---	---	6.86	5.44	2.43	4.74	1.20	1.03	0.896	0.835	---	---	20
21	---	---	6.68	5.76	2.58	4.89	1.13	1.01	0.896	0.830	---	---	21
22	---	---	5.63	5.99	2.85	5.28	1.10	0.963	0.947	0.791	---	---	22
23	---	---	6.13	6.93	3.44	5.34	1.09	1.45	0.976	0.753	---	---	23
24	---	---	5.07	7.29	3.84	5.11	1.05	1.74	0.953	0.812	---	---	24
25	---	---	4.52	7.53	3.75	4.73	1.05	1.54	1.11	0.813	---	---	25
26	---	---	4.08	8.18	3.51	4.70	1.03	1.46	1.71	0.853	---	---	26
27	---	---	3.87	8.45	3.55	4.71	0.974	1.43	1.40	0.788	---	---	27
28	---	---	3.86	8.43	3.73	4.63	0.887	1.36	1.26	0.804	---	---	28
29	---		4.01	8.42	3.77	4.66	0.900	1.24	1.23	0.828	---	---	29
30	---		4.41	8.40	3.78	4.58	1.12	1.18	1.23	0.899	---	---	30
31	---		5.60		3.61		1.23	1.46		0.922		---	31
TOTAL	---	---	193.03	206.35	133.17	125.51	62.491	37.983	30.117	31.592	---	---	TOTAL
MEAN	---	---	6.23	6.88	4.30	4.18	2.02	1.23	1.00	1.02	---	---	MEAN
MAX	---	---	12.9	8.45	8.32	5.34	4.66	1.74	1.71	1.27	---	---	MAX
MIN	---	---	3.86	5.44	1.90	3.17	0.887	0.884	0.837	0.753	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.35
MAXIMUM DAILY, 12.9 ON MAR 17
MINIMUM DAILY, 0.753 ON OCT 23
MAXIMUM INSTANTANEOUS,
15.2 AT 08:02 CST ON MAR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 58 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 400
FEB	---	AUG	3 280
MAR	16 700	SEP	2 600
APR	17 800	OCT	2 730
MAY	11 500	NOV	---
JUN	10 800	DEC	---

TOTAL DISCHARGE, 70 800 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.14 B	1.96 B	7.89B	4.89	8.29	3.49	4.56	1.04	4.44	1.95	1.19	1.44 B	1
2	1.14 B	1.86 B	6.46B	5.89	8.14	3.29	4.33	1.23	3.98	1.85	1.19	1.29 B	2
3	1.09 B	1.70 B	6.65B	6.51	7.93	3.16	4.18	1.48	3.02	1.85	1.21	1.35 B	3
4	1.06 B	1.58 B	6.12B	6.71	7.54	3.29	4.14	1.42	2.48	1.99	1.21	1.11 B	4
5	1.03 B	1.43 B	6.13B	6.98	7.58	3.81	3.90	1.64	2.09	2.04	1.23	0.954B	5
6	0.948B	1.28 B	6.81B	7.27	7.43	3.95	3.58	1.77	2.06	2.01	1.24	1.06 B	6
7	0.960B	1.19 B	6.82B	7.16	7.00	4.06	3.05	1.66	1.94	1.88	1.17	0.940B	7
8	0.951B	1.16 B	6.81B	7.03	6.83	3.76	2.61	1.36	1.78	1.75	1.57	0.740B	8
9	1.06 B	1.26 B	6.66B	6.72	6.82	3.64	2.31	1.45	1.66	1.68	2.16	0.560B	9
10	1.10 B	1.35 B	6.50B	6.62	6.63	3.46	2.15	1.48	1.58	1.64	2.22	0.471B	10
11	1.07 B	1.45 B	6.55B	6.64	5.95	3.31	2.56	1.48	1.50	1.58	2.31	0.502B	11
12	0.989B	1.41 B	7.21B	6.50	4.72	3.24	2.42	1.51	1.43	1.63	2.28	0.609B	12
13	0.957B	1.24 B	8.31B	6.66	3.81	3.38	2.88	1.44	1.46	1.57	2.25	0.523B	13
14	0.983B	0.956B	8.80B	6.62	3.14	3.50	2.46	1.34	1.42	1.59	2.25	0.445B	14
15	1.01 B	0.890B	9.57B	6.57	2.73	3.49	2.20	1.23	1.34	1.76	2.25	0.385B	15
16	1.35 B	0.875B	10.5 B	6.52	2.56	3.55	2.16	1.13	1.29	1.70	2.07	0.348B	16
17	1.37 B	1.15 B	11.4 B	6.24	2.38	3.77	2.05	1.08	1.23	1.62	1.93	0.347B	17
18	1.20 B	1.94 B	12.0 B	6.01	2.23	4.08	1.88	1.02	1.23	1.63	1.97	0.320B	18
19	1.18 B	2.03 B	11.8	6.26	2.12	4.47	1.74	0.949	1.25	1.70	1.85B	0.297B	19
20	1.17 B	2.77 B	10.7	6.16	1.92	4.45	1.55	0.903	1.21	1.56	1.44B	0.325B	20
21	1.14 B	5.78 B	9.58	5.93	1.88	4.85	1.46	0.892	1.22	1.42	1.50B	0.376B	21
22	1.11 B	8.28 B	8.46	6.11	2.09	5.24	1.32	1.28	1.20	1.33	1.58B	0.403B	22
23	1.10 B	8.45 B	8.18	6.31	2.36	5.80	1.18	3.79	1.21	1.25	1.62B	0.431B	23
24	1.11 B	11.3 B	7.84	6.87	2.79	5.30	1.05	5.49	1.18	1.18	1.50B	0.465B	24
25	1.19 B	11.9 B	7.46	7.43	3.57	5.40	1.02	5.12	1.36	1.14	1.44B	0.476B	25
26	1.24 B	10.8 B	5.87	7.77	3.84	4.95	0.984	3.86	1.67	1.08	1.41B	0.422B	26
27	1.40 B	10.9 B	5.70	7.85	3.64	4.61	1.02	2.89	2.18	1.16	1.41B	0.418B	27
28	1.68 B	8.95 B	5.17	8.22	3.46	4.68	0.961	2.40	2.69	1.22	1.34B	0.411B	28
29	2.16 B		4.66	8.50	3.45	4.73	0.958	2.15	2.19	1.19	1.38B	0.385B	29
30	2.32 B		4.36	8.51	3.59	4.62	1.05	2.07	2.02	1.22	1.38B	0.296B	30
31	2.16 B		4.38		3.57		1.12	4.95		1.17		0.207B	31
TOTAL	38.368	101.841	235.35	203.46	139.99	123.33	68.833	61.504	55.31	48.34	49.55	18.306	TOTAL
MEAN	1.24	3.64	7.59	6.78	4.52	4.11	2.22	1.98	1.84	1.56	1.65	0.591	MEAN
MAX	2.32	11.9	12.0	8.51	8.29	5.80	4.56	5.49	4.44	2.04	2.31	1.44	MAX
MIN	0.948	0.875	4.36	4.89	1.88	3.16	0.958	0.892	1.18	1.08	1.17	0.207	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.13
MAXIMUM DAILY, 12.0B ON MAR 18
MINIMUM DAILY, 0.207B ON DEC 31
MAXIMUM INSTANTANEOUS,
14.5 AT 15:35 CST ON MAR 18

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 05 N
LONG 99 40 55 W
DRAINAGE AREA, 60 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 310	JUL	5 950
FEB	8 800	AUG	5 310
MAR	20 300	SEP	4 780
APR	17 600	OCT	4 180
MAY	12 100	NOV	4 280
JUN	10 700	DEC	1 580

TOTAL DISCHARGE, 98 900 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05NF016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20 B	0.428B	2.19B	6.50	8.21	3.50	4.43	1.38	1.24	1.12	0.999	0.440B	1
2	1.15 B	0.445B	2.01B	6.66	7.68	3.72	3.43	1.39	1.05	1.12	1.04	0.416B	2
3	1.15 B	0.457B	1.99B	6.62	7.38	3.73	3.17	1.46	1.05	0.813	1.03	0.413B	3
4	1.22 B	0.479B	2.02B	6.86	7.44	3.73	3.10	1.44	1.17	0.925	0.978	0.303B	4
5	1.33 B	0.490B	2.26B	7.10	7.44	3.58	2.77	1.77	0.970	0.920	1.04	0.188B	5
6	1.37 B	0.347B	3.51B	7.69	6.66	3.62	3.05	1.55	0.973	0.973	0.968	0.119B	6
7	1.30 B	0.331B	4.55B	7.49	2.88	3.51	2.83	1.43	1.09	1.08	0.797	0.068B	7
8	1.31 B	0.301B	5.00B	7.13	1.70	3.54	2.36	1.26	1.14	0.999	0.961	0.046B	8
9	1.36 B	0.288B	5.25B	7.22	1.83	3.51	2.46	1.20	1.08	1.02	1.11	0.037B	9
10	1.34 B	0.270B	6.68B	7.33	1.86	3.72	2.29	1.19	1.13	1.06	0.918	0.030B	10
11	1.36 B	0.258B	9.24B	7.06	1.87	3.88	2.07	1.22	1.14	1.22	0.867	0.028B	11
12	1.39 B	0.262B	10.7 B	7.19	1.63	4.00	1.92	1.24	1.08	0.972	0.827	0.022B	12
13	1.38 B	0.272B	10.8 B	6.56	1.54	4.54	1.80	1.25	1.08	0.939	0.789	0.018B	13
14	1.33 B	0.272B	7.60B	6.65	1.67	5.28	1.64	1.21	1.10	0.800	0.819	0.016B	14
15	1.31 B	0.265B	5.37B	6.66	1.70	5.04	1.58	1.22	1.07	0.849	0.804	0.013B	15
16	1.29 B	0.237B	5.23B	6.72	2.28	5.70	1.44	1.13	1.16	0.812	0.758	0.010B	16
17	1.27 B	0.242B	5.06B	6.81	2.47	5.59	1.29	1.18	1.15	1.13	0.716	0.006B	17
18	1.31 B	0.375B	4.98B	6.61	2.64	5.40	1.23	1.15	1.08	0.819	0.715	0.005B	18
19	1.37 B	0.725B	4.50	6.91	3.65	5.56	1.17	1.05	1.13	0.940	0.909B	0.004B	19
20	1.38 B	1.71 B	3.72	7.48	3.99	5.47	1.09	1.01	1.15	0.936	0.963B	0.003B	20
21	1.40 B	3.15 B	2.51	7.96	3.80	5.26	1.07	1.01	1.11	0.882	1.14 B	0.002B	21
22	1.46 B	2.83 B	2.48	8.01	3.17	5.41	1.05	1.04	1.17	0.913	1.15 B	0.002B	22
23	1.36 B	2.02 B	2.21	8.29	3.33	5.63	1.09	1.09	1.12	1.13	1.11 B	0.001B	23
24	0.872B	1.53 B	2.22	8.57	3.70	5.34	1.01	1.14	1.19	0.958	0.720B	0 B	24
25	0.766B	1.31 B	2.49	8.58	3.69	5.25	0.999	1.07	1.15	1.09	0.492B	0 B	25
26	0.785B	1.28 B	2.79	8.45	3.65	5.67	1.02	1.05	1.16	1.09	0.455B	0 B	26
27	0.815B	1.57 B	3.10	8.16	3.59	5.50	1.04	1.07	1.19	0.926	0.442B	0 B	27
28	0.774B	2.01 B	4.59	8.46	3.57	5.28	1.04	1.11	1.09	1.15	0.414B	0 B	28
29	0.728B		4.84	8.05	3.31	5.34	0.912	1.08	1.00	1.16	0.406B	0 B	29
30	0.469B		5.10	7.72	3.66	4.78	0.936	1.12	1.03	1.31	0.411B	0 B	30
31	0.398B		5.64		3.73		1.18	1.06		1.04		0 B	31
TOTAL	35.947	24.154	140.63	221.50	115.72	140.08	56.467	37.53	33.243	31.096	24.748	2.190	TOTAL
MEAN	1.16	0.863	4.54	7.38	3.73	4.67	1.82	1.21	1.11	1.00	0.825	0.071	MEAN
MAX	1.46	3.15	10.8	8.58	8.21	5.70	4.43	1.77	1.24	1.31	1.15	0.440	MAX
MIN	0.398	0.237	1.99	6.50	1.54	3.50	0.912	1.01	0.970	0.800	0.406	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.37
MAXIMUM DAILY, 10.8B ON MAR 13
MINIMUM DAILY, 0B ON DEC 24
MAXIMUM INSTANTANEOUS,
11.3 AT 01:16 CST ON MAR 13

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 27 N
LONG 100 57 12 W
DRAINAGE AREA, 43 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 110	JUL	4 880
FEB	2 090	AUG	3 240
MAR	12 200	SEP	2 870
APR	19 100	OCT	2 690
MAY	10 000	NOV	2 140
JUN	12 100	DEC	189

TOTAL DISCHARGE, 74 600 dam³

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.36	0.481	2.86	7.56	7.87	3.40	2.58	1.39	1.05	0.963	0.991	0.340	1
2	1.36	0.481	2.86	6.94	7.56	3.45	2.35	1.39	1.08	0.934	0.991	0.340	2
3	1.36	0.481	2.86	6.54	7.08	3.54	2.21	1.39	1.08	0.878	0.963	0.198	3
4	1.36	0.453	2.86	6.29	7.08	3.62	2.21	1.33	1.08	0.878	0.963	0.006	4
5	1.36	0.396	3.74	6.68	7.25	3.45	2.10	1.50	1.08	0.878	0.906	0.003	5
6	1.36	0.311	5.15	6.94	4.84	3.54	2.15	1.30	1.08	0.934	0.878	0.003	6
7	1.36	0.283	5.15	6.14	2.27	3.54	1.93	1.13	1.08	1.25	0.821	0.003	7
8	1.36	0.283	5.04	6.29	1.87	3.62	1.76	1.05	1.08	1.25	0.793	0.003	8
9	1.36	0.275	5.75	6.54	1.81	3.82	1.73	1.08	1.05	1.22	0.878	0	9
10	1.36	0.263	7.87	7.08	2.21	3.91	1.50	1.13	1.02	1.19	0.906	0	10
11	1.36	0.263	7.87	6.40	2.21	3.82	1.27	1.16	1.02	1.16	0.906	0	11
12	1.36	0.263	7.87	6.40	1.93	4.39	1.25	1.16	1.02	1.05	0.906	0	12
13	1.36	0.263	6.00	5.49	1.81	4.93	1.22	1.19	1.02	1.02	0.906	0	13
14	1.30	0.263	4.19	5.86	2.10	5.04	1.19	1.16	1.02	0.878	0.906	0	14
15	1.30	0.263	4.11	5.86	2.35	4.81	1.16	1.19	1.02	0.878	0.906	0	15
16	1.30	0.263	4.11	5.86	2.41	4.93	1.02	1.22	1.02	0.850	0.850	0	16
17	1.30	0.263	4.11	5.38	2.58	5.04	0.963	1.19	1.02	0.708	0.821	0	17
18	1.30	0.263	4.11	6.00	3.09	4.81	0.963	1.19	1.02	0.651	0.934	0	18
19	1.30	0.481	3.74	5.75	3.82	5.15	0.963	1.13	1.02	0.736	0.850	0	19
20	1.30	0.821	3.23	8.67	4.02	5.15	0.963	1.13	1.02	0.850	1.36	0	20
21	1.30	0.906	3.00	8.67	3.82	5.15	0.963	1.13	1.02	0.821	1.36	0	21
22	1.36	1.08	2.69	7.70	3.31	5.27	0.963	1.13	1.02	0.708	1.36	0	22
23	1.13	1.27	2.66	7.87	3.09	5.38	0.963	1.22	1.02	0.793	1.08	0	23
24	0.963	1.50	2.69	9.34	3.17	5.27	0.934	1.25	1.02	0.821	0.510	0	24
25	0.934	1.76	2.86	8.50	3.40	5.27	0.906	1.19	1.02	0.821	0.453	0	25
26	0.906	2.15	3.09	8.33	3.54	5.27	0.906	1.19	1.02	0.850	0.396	0	26
27	0.906	2.52	4.36	8.04	3.62	5.27	0.906	1.16	0.878	0.850	0.368	0	27
28	0.906	2.72	6.14	8.18	3.54	5.27	0.878	1.13	0.934	0.878	0.340	0	28
29	0.736		6.29	7.87	3.62	4.13	0.821	1.13	0.963	0.878	0.340	0	29
30	0.510		7.42	7.25	3.54	2.66	0.991	1.13	0.991	0.991	0.340	0	30
31	0.510		7.87		3.62		1.44	1.05		0.991		0	31
TOTAL	36.941	21.019	142.55	210.42	114.43	132.90	42.153	37.12	30.766	28.558	24.982	0.896	TOTAL
MEAN	1.19	0.751	4.60	7.01	3.69	4.43	1.36	1.20	1.03	0.921	0.833	0.029	MEAN
MAX	1.36	2.72	7.87	9.34	7.87	5.38	2.58	1.50	1.08	1.25	1.36	0.340	MAX
MIN	0.510	0.263	2.66	5.38	1.81	2.66	0.821	1.05	0.878	0.651	0.340	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.25
MAXIMUM DAILY, 9.34 ON APR 24
MINIMUM DAILY, 0 ON DEC 9

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 47 N
LONG 100 57 29 W
DRAINAGE AREA, 43 000 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 190	JUL	1 640
FEB	1 820	AUG	3 210
MAR	12 300	SEP	2 660
APR	18 200	OCT	2 470
MAY	9 890	NOV	2 160
JUN	11 500	DEC	77.4

TOTAL DISCHARGE, 71 100 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE - STATION NO. 05KK001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.784	---	---	---	---	256.020E	256.160	---	256.159	256.140	256.170	256.204	1
2	255.780	---	---	---	---	256.020E	256.201	---	256.189	256.059	256.169	256.202	2
3	255.780	---	---	---	---	256.020A	256.204	---	256.212	256.175	256.178	256.192	3
4	255.785	---	255.817A	---	---	256.030	256.213	---	256.188	256.175	256.180	256.196	4
5	255.788	---	---	---	---	256.035	256.213	---	256.221	256.164	256.167	256.197	5
6	255.782	---	---	---	---	256.041	256.194	---	256.232	256.152	256.169	256.200	6
7	255.783	---	---	---	---	256.032	256.226A	---	256.224	256.148	256.179	256.205	7
8	255.784	---	---	---	---	256.074	---	---	256.211	256.134	256.156	256.201	8
9	255.784	---	---	---	---	256.078	---	---	256.221	256.149	256.165	256.207	9
10	255.786	---	---	255.791A	---	256.070	---	256.242A	256.212	256.162	256.175	256.205	10
11	255.794	---	255.801A	255.790	---	256.073	---	256.243	256.202	256.163	256.186	256.206	11
12	255.797	---	---	255.789	---	256.076	---	256.229	256.194	256.190	256.188	256.199	12
13	255.800	---	---	255.780	---	256.076	---	256.222	256.195	256.189	256.189	256.202	13
14	255.799	---	---	255.782	---	256.076	---	256.232	256.199	256.181	256.193	256.196	14
15	255.796	---	---	255.783	---	256.087	---	256.223	256.198	256.185	256.205	256.199	15
16	255.799	---	---	255.780A	---	256.081	---	256.209	256.179	256.189	256.217	256.194	16
17	255.799	---	---	---	---	256.118	---	256.237	256.165	256.203	256.210	256.181	17
18	255.800	---	---	---	---	256.120	---	256.231	256.183	256.175	256.207	256.180	18
19	255.798	---	---	---	---	256.107	---	256.236	256.174	256.184	256.205	256.179	19
20	255.800	---	---	---	---	256.109	---	256.240	256.155	256.172	256.203	256.181	20
21	255.803	---	---	---	---	256.115	---	256.228	256.158	256.151	256.202	256.178	21
22	255.800A	---	---	---	---	256.107	---	256.241	256.140	256.160	256.203	256.173	22
23	255.800A	---	---	---	---	256.102	---	256.248	256.138	256.125	256.201	256.164	23
24	255.803A	---	---	---	---	256.160	---	256.246	256.154	256.163	256.198	256.162	24
25	---	---	---	---	---	256.167	---	256.246	256.157	256.152	256.208	256.153	25
26	---	---	---	---	---	256.136	---	256.237	256.263	256.172	256.204	256.153	26
27	---	---	---	---	---	256.179	---	256.230	256.213	256.164	256.203	256.144	27
28	---	---	---	---	---	256.178	---	256.212	256.169	256.163	256.203	256.135	28
29	---		---	---	---	256.175	---	256.228	256.169	256.168	256.206	256.133	29
30	---		---	---	---	256.150	---	256.232	256.184	256.171	256.209	256.128	30
31	---		---		---		---	256.234		256.166		256.120	31
MEAN	---	---	---	---	---	256.094	---	---	256.189	256.163	256.192	256.180	MEAN
MAX	---	---	---	---	---	256.179	---	---	256.263	256.203	256.217	256.207	MAX
MIN	---	---	---	---	---	256.020	---	---	256.138	256.059	256.156	256.120	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 42 20 N
LONG 100 18 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1964

DRAINAGE AREA,
8 570 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK006

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.847	255.853	255.862	255.827	255.919A	---	---	256.311	256.351	---	256.227	256.220	1
2	255.846	255.855	255.862	255.828	---	---	---	256.319	256.313	---	256.234	256.220	2
3	255.846	255.856	255.865	255.825	---	256.117A	---	256.318	256.296	---	256.232	256.208	3
4	255.845	255.858	255.858	255.827	---	256.118	---	256.313	256.307	---	256.230	256.191	4
5	255.847	255.858	255.850A	255.826	---	256.103	---	256.305	256.300	---	256.230	256.185A	5
6	255.845	255.858	255.849E	255.825	---	256.115	---	256.308	256.275	---	256.238	---	6
7	255.843	255.858	255.849E	255.830	---	256.137	256.311A	256.290	256.265	---	256.214	---	7
8	255.845	255.859	255.848E	255.831	---	256.128	256.368	256.282	256.288	---	256.214	---	8
9	255.843	255.858	255.847E	255.830	---	256.111	256.310	256.307	256.272	---	256.230	---	9
10	255.844	255.858	255.847E	255.836	---	256.114	256.281	256.310	256.277	---	256.226	---	10
11	255.847	255.857	255.846A	255.842	---	256.119	256.280	256.284	256.268	---	256.241	---	11
12	255.846	255.857	255.841	255.848	---	256.132	256.281	256.302	256.267	---	256.240	---	12
13	255.846	255.856	255.842	255.845	---	256.117	256.278	256.296	256.250	---	256.240	---	13
14	255.843	255.863	255.840	255.851	---	---	256.282	256.272	---	256.235A	256.246	---	14
15	255.843	255.867	255.835	255.855	---	---	256.284	256.297	---	256.243	256.250	---	15
16	255.848	255.866	255.833	255.858	---	---	256.282	256.316	---	256.243	256.240	---	16
17	255.849	255.864	255.830	255.851	---	---	256.297	256.281	---	256.171	256.246	---	17
18	255.848	255.865	255.828	255.852	---	---	256.300	256.287	---	256.209	256.252	---	18
19	255.844	255.866	255.830	255.853	---	---	256.265	256.281	---	256.204	256.252	---	19
20	255.849	255.871	255.827	255.859	---	---	256.292	256.285	---	256.198	256.247	---	20
21	255.850	255.874	255.825	255.872	---	---	256.295	256.295	---	256.210	256.245	---	21
22	255.850	255.873	255.825	255.874	---	---	256.298	256.291	---	256.183	256.244	---	22
23	255.850	255.873	255.822	255.879	---	---	256.293	256.297	---	256.242	256.239	---	23
24	255.854	255.869	255.820	255.882	---	---	256.217	256.294	---	256.177	256.237	---	24
25	255.852	255.869	255.817	255.890	---	---	256.251	256.290	---	256.208	256.244	---	25
26	255.850	255.868	255.818	255.895	---	---	256.279	256.291	---	256.208	256.242	---	26
27	255.852	255.866	255.819	255.897	---	---	256.298	256.299	---	256.214	256.239	---	27
28	255.850	255.866	255.817	255.902	---	---	256.296	256.327	---	256.215	256.240	---	28
29	255.853		255.812	255.907	---	---	256.271	256.295	---	256.217	256.241	---	29
30	255.856		255.816	255.914	---	---	256.278	256.296	---	256.220	256.236	---	30
31	255.854		255.825		---		256.277	256.242		256.227		---	31
MEAN	255.848	255.863	255.836	255.857	---	---	---	256.296	---	---	256.238	---	MEAN
MAX	255.856	255.874	255.865	255.914	---	---	---	256.327	---	---	256.252	---	MAX
MIN	255.843	255.853	255.812	255.825	---	---	---	256.242	---	---	256.214	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1964

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO. 06GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	33.3B	26.6B	25.4B	24.6B	25.7B	195	96.9	48.4	25.9	32.7	47.1	25.7B	1
2	32.2B	26.5B	25.3B	24.6B	26.1B	187	93.5	47.1	26.4	32.8	45.7	25.1B	2
3	31.7B	26.5B	25.2B	24.6B	26.7B	181	92.4	45.8	27.1	32.8	44.3B	24.6B	3
4	31.1B	26.4B	25.1B	24.6B	27.5B	170	91.1	43.1	28.7	30.8	43.5B	24.1B	4
5	30.4B	26.4B	25.0B	24.6B	28.1B	163	86.4	42.2	31.9	30.2	42.6B	23.7B	5
6	30.1B	26.3B	25.0B	24.6B	28.7B	161	83.3	41.3	33.7	30.0	41.7B	23.1B	6
7	29.5B	26.3B	25.0B	24.6B	29.8B	160	80.1	39.7	36.3	30.0	40.9B	22.9B	7
8	29.3B	26.2B	24.9B	24.6B	31.2B	162	79.3	38.1	37.0	29.7	40.1B	22.5B	8
9	29.0B	26.1B	24.9B	24.6B	32.5B	163	82.7	37.0	40.5	28.3	39.3B	22.0B	9
10	28.6B	26.1B	24.9B	24.6B	34.3B	164	81.3	36.9	41.3	27.4	38.6B	21.6B	10
11	28.4B	26.0B	24.9B	24.6B	37.8B	163	81.7	35.2	42.2	28.0	37.9B	21.2B	11
12	28.2B	25.9B	24.9B	24.6B	53.0B	163	80.9	33.0	43.5	27.5	37.1B	20.8B	12
13	28.1B	25.8B	24.9B	24.6B	65.0B	162	79.4	33.7	43.4	27.4	36.4B	20.6B	13
14	27.8B	25.8B	24.8B	24.6B	78.9B	157	77.2	33.6	43.2	28.3	35.8B	20.1B	14
15	27.7B	25.8B	24.8B	24.6B	94.3B	156	71.8	33.8	43.5	30.3	35.1B	19.8B	15
16	27.6B	25.8B	24.8B	24.6B	110 B	151	70.3	35.0	43.4	32.7	34.4B	19.4B	16
17	27.5B	25.7B	24.8B	24.6B	131 B	148	69.9	36.0	44.8	33.3	33.8B	19.1B	17
18	27.4B	25.7B	24.8B	24.6B	157 B	143	66.6	36.4	42.9	34.6	33.1B	18.7B	18
19	27.4B	25.7B	24.8B	24.6B	177 B	138	63.6	36.4	41.0	35.2	32.5B	18.4B	19
20	27.3B	25.7B	24.8B	24.6B	193 B	135	63.7	35.7	40.4	40.5	32.0B	18.1B	20
21	27.3B	25.6B	24.8B	24.6B	218 B	132	63.9	36.6	39.6	44.4	31.4B	17.8B	21
22	27.2B	25.6B	24.8B	24.6B	238	128	63.0	35.7	39.1	45.6	30.7B	17.6B	22
23	27.1B	25.6B	24.7B	24.6B	243	125	61.7	34.3	38.8	48.7	30.1B	17.2B	23
24	27.0B	25.5B	24.7B	24.6B	243	120	59.8	34.0	37.7	50.0	29.4B	16.9B	24
25	26.9B	25.5B	24.7B	24.6B	239	114	59.3	32.3	37.3	56.9	29.0B	16.8B	25
26	26.9B	25.5B	24.7B	24.6B	239	113	59.3	31.9	36.7	60.2	28.3B	16.4B	26
27	26.8B	25.4B	24.6B	24.7B	229	111	58.1	31.5	33.6	60.6	27.7B	16.2B	27
28	26.8B	25.4B	24.6B	24.8B	222	107	57.8	30.6	34.5	57.9	27.2B	15.8B	28
29	26.7B		24.6B	24.9B	214	103	53.7	28.7	33.3	56.2	26.8B	15.6B	29
30	26.7B		24.6B	25.3B	205	99.4	51.8	26.0	33.7	52.1	26.1B	15.4B	30
31	26.6B		24.6B		202		51.4	26.6		48.3		15.2B	31
TOTAL	878.6	725.4	770.4	739.3	3 879.6	4 374.4	2 231.9	1 116.6	1 121.4	1 203.4	1 058.6	612.4	TOTAL
MEAN	28.3	25.9	24.9	24.6	125	146	72.0	36.0	37.4	38.8	35.3	19.8	MEAN
MAX	33.3	26.6	25.4	25.3	243	195	96.9	48.4	44.8	60.6	47.1	25.7	MAX
MIN	26.6	25.4	24.6	24.6	25.7	99.4	51.4	26.0	25.9	27.4	26.1	15.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 51.3
MAXIMUM DAILY, 243 ON MAY 23
MINIMUM DAILY, 15.2B ON DEC 31
MAXIMUM INSTANTANEOUS,
245 AT 18:17 CST ON MAY 23

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 35 N
LONG 98 13 40 W
DRAINAGE AREA, 12 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	75 900	JUL	193 000
FEB	62 700	AUG	96 500
MAR	66 600	SEP	96 900
APR	63 900	OCT	104 000
MAY	335 000	NOV	91 500
JUN	378 000	DEC	52 900

TOTAL DISCHARGE, 1 620 000 dam³

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05OF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0	0.028A	0.019	0.014	0.003	0.026	0	0	---	---	1
2	---	0 B	0	0.027E	0.020	0.013	0	0.001	0	0	---	---	2
3	---	0 B	0	0.026E	0.020	0.002	0	0	0	0	---	---	3
4	---	0 B	0	0.026	0.007	0	0	0	0	0	---	---	4
5	---	0 B	0	0.022	0.002	0	0	0.003A	0	0	---	---	5
6	---	0 B	0	0.025	0	0.009	0	0.086	0	0	---	---	6
7	---	0 B	0	0.023	0	0.005	0	0.121	0	0	---	---	7
8	---	0 B	0	0.022	0	0	0	0.118	0	0	---	---	8
9	---	0 B	0	0.023	0	0	0	0.017	0	0	---	---	9
10	---	0 B	0	0.025	0	0	0	0.007	0	0	---	---	10
11	---	0 B	0	0.022	0	0	0	0.001	0	0	---	---	11
12	---	0 B	0.033E	0.014	0	0	0	0	0	0	---	---	12
13	---	0 B	0.140A	0.011	0	0	0	0	0	0	---	---	13
14	---	0 B	0.257E	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.267E	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.167E	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.063E	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0.049A	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.046E	0	0	0	0	0	0	0	---	---	19
20	---	0.014E	0.042E	0	0	0	0	0	0	0	---	---	20
21	---	0.084E	0.041E	0	0	0	0	0	0	0	---	---	21
22	---	0.267E	0.040E	0	0	0	0	0	0	0	---	---	22
23	---	0.516A	0.039E	0	0	0	0	0	0	0	---	---	23
24	---	0.436	0.038E	0	0	0.052A	0	0	0	0	---	---	24
25	---	0.247E	0.037E	0	0.077	0.150	0	0	0	0	---	---	25
26	---	0.084E	0.036E	0	0.049	0.053	0	0	0	0	---	---	26
27	---	0.014E	0.035E	0	0.036	0.024	0	0	0	0	---	---	27
28	---	0	0.034E	0	0.024	0.031	0	0	0	0	---	---	28
29	---		0.033E	0	0.028	0.027	0	0	0	0	---	---	29
30	---		0.032E	0.004	0.023	0.021	0	0	0	0	---	---	30
31	---		0.030E		0.016		0.019A	0		0		---	31
TOTAL	---	1.662	1.459	0.298	0.321	0.401	0.022	0.380	0	0	---	---	TOTAL
MEAN	---	0.059	0.047	0.010	0.010	0.013	0.001	0.012	0	0	---	---	MEAN
MAX	---	0.516	0.267	0.028	0.077	0.150	0.019	0.121	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.012
MAXIMUM DAILY, 0.267E ON MAR 15
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.30 AT 06:45 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 50 N
LONG 98 14 55 W
DRAINAGE AREA, 73.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.90
FEB	144	AUG	32.8
MAR	126	SEP	0
APR	25.7	OCT	0
MAY	27.7	NOV	---
JUN	34.6	DEC	---

TOTAL DISCHARGE, 249 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO. 06EC003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	258.058	257.928	257.855	257.696	257.541	257.852	257.888	257.679	257.340	257.106	257.032	257.080	1
2	258.045	257.918	257.850	257.693	257.544	257.858	257.893	257.665	257.319	257.089	257.052	257.079	2
3	258.044	257.922	257.848	257.674	257.551	257.863	257.883	257.663	257.351	257.105	257.064	257.079	3
4	258.034	257.908	257.843	257.676	257.546	257.864	257.877	257.657	257.315	257.111	257.064	257.080	4
5	258.035	257.917	257.832	257.671	257.543	257.882	257.875	257.644	257.303	257.104	257.058	257.096	5
6	258.033	257.910	257.834	257.664	257.543	257.891	257.866	257.642	257.305	257.097	257.034	257.100	6
7	258.020	257.907	257.834	257.673	257.551	257.898	257.887	257.642	257.316	257.084	257.054	257.101	7
8	258.014	257.903	257.834	257.670	257.549	257.900	257.828	257.628	257.291	257.085	257.084	257.099	8
9	258.003	257.897	257.821	257.655	257.547	257.908	257.808	257.612	257.282	257.079	257.077	257.094	9
10	258.002	257.889	257.814	257.647	257.550	257.909	257.848	257.599	257.275	257.075	257.072	257.082	10
11	258.008	257.894	257.802	257.640	257.556	257.916	257.850	257.603	257.266	257.068	257.073	257.099	11
12	258.016	257.888	257.800	257.649	257.572	257.908	257.841	257.578	257.275	257.096	257.048	257.093	12
13	258.007	257.880	257.791	257.636	257.596	257.922	257.853	257.530	257.254	257.110	257.048	257.095	13
14	258.004	257.893	257.788	257.629	257.618	257.924	257.839	257.566	257.251	257.070	257.041	257.087A	14
15	257.996	257.897	257.776	257.634	257.624	257.920	257.849	257.537	257.235	257.070	257.052	---	15
16	257.987	257.893	257.777	257.632	257.636	257.939	257.833	257.523	257.203	257.086	257.071	---	16
17	257.980	257.895	257.759	257.626	257.657	257.946	257.827	257.525	257.191	257.107	257.071	---	17
18	257.990	257.884	257.753	257.614	257.674	257.933	257.821	257.509	257.203	257.083	257.066	---	18
19	257.988	257.873	257.756	257.596	257.690	257.915	257.830	257.500	257.207	257.097	257.055	---	19
20	257.970	257.876	257.751	257.601	257.711	257.917	257.806	257.492	257.193	257.084	257.057	---	20
21	257.969	257.876	257.752	257.594	257.722	257.912	257.790	257.475	257.162	257.080	257.061	---	21
22	257.965	257.864	257.742	257.594	257.740	257.898	257.771	257.478	257.168	257.070	257.077	---	22
23	257.961	257.864	257.737	257.586	257.747	257.891	257.788	257.475	257.161	257.036	257.075	---	23
24	257.968	257.863	257.734	257.577	257.759	257.902	257.791	257.446	257.175	257.066	257.065	---	24
25	257.968	257.864	257.733	257.564	257.783	257.916	257.774	257.445	257.177	257.052	257.073	---	25
26	257.957	257.862	257.728	257.567	257.795	257.894	257.749	257.431	257.211	257.059	257.074	---	26
27	257.960	257.854	257.721	257.556	257.814	257.902	257.734	257.409	257.197	257.062	257.076	---	27
28	257.953	257.854	257.723	257.563	257.821	257.916	257.723	257.383	257.160	257.052	257.069	---	28
29	257.934		257.724	257.558	257.832	257.913	257.738	257.383	257.131	257.056	257.072	---	29
30	257.937		257.722	257.546	257.843	257.889	257.707	257.392	257.112	257.058	257.074	---	30
31	257.943		257.711		257.845		257.700	257.381		257.044		---	31
MEAN	257.992	257.888	257.779	257.623	257.661	257.903	257.815	257.532	257.234	257.079	257.063	---	MEAN
MAX	258.058	257.928	257.855	257.696	257.845	257.946	257.893	257.679	257.351	257.111	257.084	---	MAX
MIN	257.934	257.854	257.711	257.546	257.541	257.852	257.700	257.381	257.112	257.036	257.032	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.058 ON JAN 1
MINIMUM DAILY, 257.032 ON NOV 1
MAXIMUM INSTANTANEOUS,
258.058 AT 02:25 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 99 01 11 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO. 06EC001

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	257.875	---	257.668	257.522	257.802	257.850	257.668	257.357	257.083	257.006	257.051	1
2	---	257.884	---	257.663	257.525	257.815	257.858	257.654	257.328	257.064	257.026	257.052	2
3	---	257.882	---	257.653	257.530	257.823	257.848	257.647	257.350	257.080	257.038	257.051	3
4	---	257.889	---	257.641	257.528	257.835	257.850	257.640	257.313	257.101	257.042	257.050	4
5	---	257.880	---	257.642	257.515	257.846	257.852	257.629	257.321	257.107	257.036	257.055	5
6	---	257.884	---	257.642	257.522	257.857	257.861	257.631	257.312	257.104	257.012	257.062	6
7	---	257.883	---	257.652	257.519	257.871	257.846	257.623	257.320	257.086	257.030	257.055	7
8	---	257.850A	---	257.654	257.524	257.877	257.814	257.607	257.299	257.076	257.049	257.053	8
9	---	---	---	257.649	257.518	257.884	257.795	257.594	257.285	257.073	257.028	257.045	9
10	---	---	257.791A	257.636	257.517	257.892	257.811	257.569	257.278	257.067	257.034	257.047	10
11	---	---	257.792	257.636	257.527	257.890	257.815	257.563	257.277	257.056	257.039	257.065	11
12	---	---	257.778	257.635	257.543	257.890	257.813	257.573	257.271	257.062	257.033	257.046	12
13	---	---	257.770	257.621	257.573	257.903	257.820	257.529	257.268	257.088	257.032	257.055	13
14	---	---	257.779	257.612	257.594	257.908	257.805	257.547	257.267	257.065	257.023	---	14
15	257.946A	---	257.777	257.612	257.602	257.900	257.807	257.516	257.259	257.064	257.031	---	15
16	257.927	---	257.766	257.617	257.617	257.899	257.790	257.499	257.229	257.059	257.048	---	16
17	257.904	---	257.759	257.608	257.631	257.884	257.772	257.510	257.214	257.081	257.043	---	17
18	257.901	---	257.766	257.595	257.653	257.883	257.773	257.500	257.217	257.071	257.051	---	18
19	257.907	---	257.759	257.594	257.662	257.870	257.781	257.496	257.218	257.065	257.038	---	19
20	257.892	---	257.743	257.595	257.682	257.869	257.762	257.489	257.202	257.074	257.038	---	20
21	257.887	---	257.736	257.580	257.697	257.859	257.747	257.479	257.166	257.064	257.041	---	21
22	257.888	---	257.722	257.571	257.702	257.861	257.742	257.469	257.158	257.059	257.046	---	22
23	257.893	---	257.713	257.562	257.721	257.843	257.757	257.475	257.158	257.028	257.049	---	23
24	257.891	---	257.718	257.565	257.719	257.855	257.747	257.457	257.170	257.046	257.047	---	24
25	257.919	---	257.712	257.549	257.729	257.851	257.751	257.443	257.166	257.041	257.042	---	25
26	257.907	---	257.704	257.539	257.740	257.839	257.738	257.436	257.165	257.039	257.044	---	26
27	257.901	---	257.694	257.536	257.745	257.850	257.715	257.421	257.165	257.034	257.047	---	27
28	257.892	---	257.682	257.538	257.753	257.865	257.703	257.386	257.113	257.030	257.038	---	28
29	257.887		257.685	257.536	257.757	257.852	257.714	257.398	257.099	257.027	257.043	---	29
30	257.881		257.679	257.526	257.772	257.831	257.696	257.395	257.094	257.031	257.050	--	30
31	257.880		257.672		257.778		257.682	257.381		257.024		---	31
MEAN	---	---	---	257.604	257.626	257.864	257.784	257.523	257.235	257.063	257.037	---	MEAN
MAX	---	---	---	257.668	257.778	257.908	257.861	257.668	257.357	257.107	257.051	---	MAX
MIN	---	---	---	257.526	257.515	257.802	257.682	257.381	257.094	257.024	257.006	---	MIN

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 44 N
LONG 98 56 28 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPLIT LAKE AT SPLIT LAKE - STATION NO. 05UF003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	167.616	167.739	167.366	166.472	165.973	166.162	166.305	166.264	166.114	166.525	166.925	167.227	1
2	167.606	167.738	167.351	166.422	165.991	166.142	166.351	166.173	166.121	166.518	166.946	167.235	2
3	167.594	167.750	167.351	166.367	166.023	166.140	166.394	166.077	166.140	166.515	166.936	167.254	3
4	167.576	167.801	167.355	166.314	166.063	166.106	166.391	166.023	166.188	166.522	166.940	167.265	4
5	167.576	167.795	167.323	166.257	166.079	166.075	166.341	166.067	166.187	166.509	167.010	167.276	5
6	167.573	167.735	167.292	166.222	166.108	166.055	166.309	166.062	166.188	166.509	167.029	167.291	6
7	167.585	167.688	167.258	166.204	166.131	166.011	166.303	166.087	166.204	166.478	167.048	167.362	7
8	167.585	167.645	167.216	166.186	166.137	166.025	166.349	166.129	166.236	166.436	167.089	167.385	8
9	167.603	167.607	167.188	166.167	166.143	166.015	166.396	166.184	166.267	166.415	167.166	167.395	9
10	167.634	167.567	167.151	166.151	166.135	166.012	166.447	166.277	166.273	166.483	167.283	167.440	10
11	167.680	167.536	167.126	166.145	166.182	166.021	166.503	166.302	166.307	166.495	167.312	167.492	11
12	167.701	167.535	167.114	166.152	166.244	166.047	166.538	166.301	166.298	166.495	167.278	167.544	12
13	167.674	167.546	167.101	166.102	166.316	166.066	166.546	166.350	166.297	166.489	167.178	167.581	13
14	167.634	167.572	167.094	166.131	166.456	166.010	166.520	166.355	166.302A	166.506	167.127	167.522	14
15	167.594	167.592	167.089	166.148	166.465	165.969	166.499	166.367	---	166.526	167.091	167.430	15
16	167.606	167.552	167.064	166.136	---	166.017	166.494	166.322	---	166.509	167.080	167.332	16
17	167.661	167.483	167.060	166.128	---	165.992	166.503	166.319	---	166.494	167.112	167.268	17
18	167.698	167.450	167.056	166.095	---	166.011	166.485	166.353	---	166.517	167.114	167.209	18
19	167.782	167.431	167.054	166.093	---	166.079	166.490	166.368	---	166.516	167.105	167.191	19
20	167.693	167.402	166.999	166.077	---	166.090	166.490	166.310	---	166.520	167.081	167.260	20
21	167.694	167.395	166.944	166.077	---	166.111	166.504	166.331	---	166.533	167.097	167.319	21
22	167.628	167.356	166.899	166.069	---	166.146	166.502	166.329	---	166.572	167.120	167.340	22
23	167.552	167.355	166.861	166.060	---	166.176	166.447	166.243	---	166.599	167.104	167.344	23
24	167.532	167.366	166.810	166.030	---	166.178	166.491	166.213	---	166.648	167.091	167.330	24
25	167.529	167.387	166.776	166.030	166.274A	166.164	166.522	166.199	---	166.688	167.104	167.328	25
26	167.548	167.411	166.718	166.021	166.313	166.207	166.542	166.197	---	166.684	167.112	167.341	26
27	167.583	167.413	166.674	166.000	166.270	166.257	166.560	166.227	---	166.717	167.135	167.309	27
28	167.611	167.384	166.639	165.977	166.300	166.249	166.555	166.236	---	166.715	167.165	167.212	28
29	167.615		166.597	165.962	166.256	166.252	166.502	166.209	166.491A	166.810	167.207	167.139	29
30	167.657		166.564	165.982	166.209	166.291	166.422	166.183	166.492	166.881	167.232	167.073	30
31	167.720		166.519		166.183		166.316	166.145		166.916		167.005	31
MEAN	167.624	167.544	167.020	166.139	---	166.103	166.452	166.232	---	166.572	167.107	167.313	MEAN
MAX	167.782	167.801	167.366	166.472	---	166.291	166.560	166.368	---	166.916	167.312	167.581	MAX
MIN	167.529	167.355	166.519	165.962	---	165.969	166.303	166.023	---	166.415	166.925	167.005	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 167.801 ON FEB 4
MINIMUM DAILY, 165.962 ON APR 29
MAXIMUM INSTANTANEOUS,
167.826 AT 22:30 CST ON FEB 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 96 05 40 W

A - MANUAL GAUGE

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPRAGUE CREEK NEAR SPRAGUE - STATION NO. 05OD031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.031B	0.022B	0.184B	0.566B	0.125	1.05	3.60	1.36	0.113	3.43	1.87	0.878	1
2	0.028B	0.022B	0.178B	0.538B	0.130	1.25	2.86	1.19	0.133	5.13	1.81	0.878	2
3	0.028B	0.022B	0.170B	0.481B	0.147	1.25	2.38	0.934	0.110	5.04	1.70	0.878	3
4	0.028B	0.022B	0.159B	0.425B	0.147	1.10	1.98	0.765	0.091	5.41	1.61	0.850	4
5	0.028B	0.022B	0.150B	0.396B	0.147	1.27	1.47	0.651	0.088	5.32	1.61	0.651	5
6	0.028B	0.022B	0.142B	0.340B	0.153	1.25	1.10	1.76	0.269	5.10	1.50	0.736	6
7	0.027B	0.022B	0.130B	0.311B	0.142	1.02	0.850	2.27	2.83	4.79	1.44	0.793	7
8	0.027B	0.022B	0.125B	0.283	0.130	1.10	0.623	2.35	4.36	4.30	1.39	0.736	8
9	0.027B	0.022B	0.119B	0.255	0.133	1.25	0.453	1.98	6.31	3.82	1.33	0.651B	9
10	0.026B	0.022B	0.119B	0.193	0.133	1.13	0.368	1.47	6.85	3.77	1.13	0.538B	10
11	0.026B	0.022B	0.127B	0.153	0.133	0.765	0.311	1.13	5.47	3.82	1.13	0.481B	11
12	0.025B	0.022B	0.142B	0.133	0.130	0.708	0.278	0.850	4.39	3.60	1.13	0.453B	12
13	0.025B	0.022B	0.170B	0.133	0.125	0.793	0.269	0.651	3.51	4.67	1.22	0.425B	13
14	0.025B	0.022B	0.212B	0.125	0.125	1.42	0.425	0.566	2.72	5.21	1.25	0.425B	14
15	0.025B	0.022B	0.255B	0.116	0.125	7.56	0.340	0.538	2.21	4.87	1.36	0.368B	15
16	0.025B	0.023B	0.311B	0.113	0.122	7.73	0.283	0.396	1.81	4.45	1.61	0.340B	16
17	0.024B	0.028B	0.396B	0.110	0.125	6.43	0.283	0.340	1.50	3.85	1.67	0.311B	17
18	0.024B	0.042B	0.396B	0.102	0.110	5.80	0.283	0.278	1.25	3.45	1.64	0.255B	18
19	0.024B	0.057B	0.368B	0.096	0.108	4.93	0.283	0.255	1.05	3.06	1.64	0.198B	19
20	0.024B	0.071B	0.340B	0.096	0.102	4.13	0.821	0.215	0.906	2.75	1.25	0.147B	20
21	0.023B	0.099B	0.311B	0.102	0.210	4.39	0.906	0.198	0.850	2.49	1.27	0.170B	21
22	0.023B	0.142B	0.283B	0.110	0.113	4.81	0.850	0.193	0.793	2.21	1.08	0.170B	22
23	0.023B	0.198B	0.269B	0.110	0.283	3.88	0.595	0.227	0.991	2.04	0.906	0.161B	23
24	0.023B	0.241B	0.255B	0.110	0.906	5.15	0.481	0.283	0.878	2.04	0.906	0.198B	24
25	0.023B	0.238B	0.269B	0.116	2.07	5.95	0.453	0.221	1.10	1.84	0.878	0.147B	25
26	0.023B	0.227B	0.311B	0.113	1.81	4.59	0.396	0.187	0.878	2.12	0.906	0.139B	26
27	0.023B	0.212B	0.368B	0.113	1.53	3.82	0.368	0.161	0.878	1.64	0.906	0.147B	27
28	0.022B	0.198B	0.425B	0.110	1.36	5.89	0.311	0.139	1.02	1.59	0.906	0.122B	28
29	0.022B		0.510B	0.108	1.30	7.08	0.255	0.125	1.05	1.78	0.906	0.130B	29
30	0.022B		0.623B	0.122	1.27	4.67	0.210	0.108	1.22	1.90	0.906	0.108B	30
31	0.022B		0.623B		1.16		0.906	0.102		1.95		0.099B	31
TOTAL	0.774	2.106	8.440	6.079	14.604	102.166	24.991	21.893	55.628	107.44	38.860	12.583	TOTAL
MEAN	0.025	0.075	0.272	0.203	0.471	3.41	0.806	0.706	1.85	3.47	1.30	0.406	MEAN
MAX	0.031	0.241	0.623	0.566	2.07	7.73	3.60	2.35	6.85	5.41	1.87	0.878	MAX
MIN	0.022	0.022	0.119	0.096	0.102	0.708	0.210	0.102	0.088	1.59	0.878	0.099	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 7.73 ON JUN 16
MINIMUM DAILY, 0.022B ON JAN 28
MAXIMUM INSTANTANEOUS,
8.83 AT 17:30 CST ON JUN 15

SUMMARY FOR THE YEAR 1981

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 33 N
LONG 95 39 43 W
DRAINAGE AREA, 355 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	66.9	JUL	2 160
FEB	182	AUG	1 890
MAR	729	SEP	4 810
APR	525	OCT	9 280
MAY	1 260	NOV	3 360
JUN	8 830	DEC	1 090

TOTAL DISCHARGE, 34 200 dam³

ST. MALO RESERVOIR NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.041	256.043	256.052	256.126	256.090	256.129	256.131	256.038	256.036	256.141	256.198	256.118	1
2	256.041	256.043	256.053	256.128	256.090	256.133	256.128	256.054	256.029	256.145	256.197	256.116	2
3	256.041	256.043	256.052	256.134	256.090	256.134	256.129	256.055	256.025	256.148	256.193	256.115	3
4	256.042	256.043	256.053	256.139	256.090	256.137	256.129	256.053	256.024	256.148	256.188	256.114	4
5	256.042	256.043	256.053	256.134	256.089	256.137	256.127	256.057	256.021	256.148	256.181	256.106	5
6	256.043	256.042	256.052	256.135	256.090	256.133	256.121	256.066	256.050	256.148	256.181	256.104	6
7	256.042	256.042	256.053	256.137	256.092	256.121	256.110	256.071	256.063	256.151	256.178	256.106	7
8	256.043	256.042	256.053	256.138	256.094	256.116	256.100	256.076	256.062	256.153	256.168	256.105	8
9	256.043	256.042	256.053	256.139	256.095	256.111	256.096	256.081	256.063	256.154	256.167	256.102	9
10	256.043	256.042	256.054	256.139	256.097	256.106	256.088	256.082	256.069	256.157	256.165	256.098	10
11	256.043	256.043	256.054	256.137	256.098	256.105	256.087	256.082	256.082	256.161	256.163	256.095	11
12	256.042	256.043	256.054	256.132	256.098	256.106	256.084	256.082	256.101	256.169	256.161	256.095	12
13	256.041	256.042	256.055	256.122	256.098	256.106	256.080	256.081	256.110	256.176	256.158	256.094	13
14	256.039	256.042	256.059	256.119	256.098	256.108	256.074	256.080	256.116	256.184	256.156	256.093	14
15	256.039	256.042	256.061	256.116	256.097	256.116	256.074	256.080	256.122	256.186	256.152	256.087	15
16	256.040	256.042	256.063	256.113	256.095	256.115	256.068	256.079	256.127	256.186	256.150	256.081	16
17	256.039	256.042	256.070	256.102	256.088	256.114	256.065	256.080	256.132	256.186	256.146	256.075	17
18	256.039	256.042	256.070	256.101	256.082	256.107	256.061	256.081	256.136	256.186	256.145	256.070	18
19	256.038	256.042	256.070	256.100	256.080	256.111	256.056	256.070	256.138	256.186	256.139	256.066	19
20	256.038	256.042	256.071	256.097	256.077	256.119	256.052	256.065	256.140	256.187	256.127	256.059	20
21	256.037	256.044	256.074	256.091	256.078	256.122	256.050	256.059	256.141	256.187	256.123	256.058	21
22	256.037	256.048	256.075	256.090	256.075	256.125	256.045	256.057	256.142	256.186	256.129	256.057	22
23	256.038	256.049	256.079	256.090	256.080	256.133	256.040	256.057	256.145	256.186	256.129	256.056	23
24	256.038	256.049	256.086	256.090	256.079	256.146	256.038	256.055	256.148	256.186	256.127	256.055	24
25	256.038	256.048	256.100	256.089	256.088	256.146	256.037	256.052	256.144	256.175	256.126	256.054	25
26	256.042	256.048	256.104	256.087	256.092	256.147	256.036	256.049	256.136	256.182	256.126	256.054	26
27	256.042	256.051	256.105	256.087	256.093	256.147	256.036	256.045	256.130	256.196	256.125	256.052	27
28	256.042	256.052	256.111	256.088	256.095	256.141	256.036	256.043	256.131	256.191	256.125	256.051	28
29	256.042		256.114	256.090	256.105	256.144	256.034	256.039	256.131	256.191	256.124	256.051	29
30	256.042		256.119	256.091	256.116	256.137	256.034	256.039	256.135	256.194	256.123	256.050	30
31	256.042		256.122		256.123		256.038	256.039		256.198		256.049	31
MEAN	256.041	256.044	256.072	256.113	256.092	256.125	256.074	256.063	256.101	256.173	256.152	256.080	MEAN
MAX	256.043	256.052	256.122	256.139	256.123	256.147	256.131	256.082	256.148	256.198	256.198	256.118	MAX
MIN	256.037	256.042	256.052	256.087	256.074	256.105	256.034	256.034	256.021	256.141	256.123	256.049	MIN

WATER LEVELS IN METRES

MEAN, 256.094
MAXIMUM DAILY, 256.198 ON OCT 31
MINIMUM DAILY, 256.021 ON SEP 5
MAXIMUM INSTANTANEOUS,
256.199 AT 08:20 CST ON NOV 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 06 N
LONG 96 56 13 W

REGULATED

STEEPROCK RIVER NEAR MAFEKING - STATION NO. 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.428B	0.921B	2.91	1.31	2.49	2.78	0.753	3.47E	---	---	1
2	---	---	0.428B	0.948B	3.46	1.20	3.95	2.43	0.728A	3.23A	---	---	2
3	---	---	0.428B	0.973B	3.79	1.11	3.18	2.38	0.728E	2.95	---	---	3
4	---	---	0.428B	1.03 B	3.42	1.09	2.67	2.50	0.720E	2.69	---	---	4
5	---	---	0.428B	1.04 B	2.98	1.05	2.36	2.89	0.720E	2.43	---	---	5
6	---	---	0.428B	1.03 B	2.82	0.969	2.24	2.47	0.688E	2.25	---	---	6
7	---	---	0.428B	1.01 B	2.81	1.09	2.08	2.08	0.672E	2.06	---	---	7
8	---	---	0.428B	0.966B	2.65	1.45	2.02	1.86	0.656E	1.93	---	---	8
9	---	---	0.428B	0.930B	2.29	1.56	1.81	1.67	0.648E	1.89	---	---	9
10	---	---	0.471B	0.876B	2.14	1.49 A	1.62	1.51	0.640E	1.92	---	---	10
11	---	---	0.507B	0.832B	2.03	1.38	1.52	1.40	0.632E	1.86	---	---	11
12	---	---	0.550B	0.784B	1.95	1.28	1.51	1.31	0.624E	4.11	---	---	12
13	---	---	0.593B	0.744B	1.89	1.17	1.39	1.28	0.616E	8.29	---	---	13
14	---	---	0.632B	0.784E	1.86	1.46	1.44	1.18	0.608E	6.47	---	---	14
15	---	---	0.680B	0.824E	1.76	2.19	1.66	1.14	0.600E	5.04	---	---	15
16	---	---	0.680B	0.867E	1.60	2.01	23.3	1.10	0.593E	4.17	---	---	16
17	---	---	0.680B	0.912E	1.54	2.37	14.8	1.06	0.600E	5.06	---	---	17
18	---	---	0.680B	0.948E	1.51	11.7	9.15	1.04	0.593E	5.00	---	---	18
19	---	---	0.680B	0.993E	1.50	7.40	6.28	1.09	0.586E	4.36	---	---	19
20	---	---	0.680B	1.04 E	1.48	5.23	4.78	1.03	0.579E	3.80	---	---	20
21	---	---	0.680B	1.09 A	1.44	4.15	3.77	0.976	0.571E	3.49A	---	---	21
22	---	---	0.680B	1.06	1.40	3.80	3.12	0.943	0.564E	3.05A	---	---	22
23	---	---	0.680B	1.09	1.35	4.39	2.80	0.905	0.557E	2.64E	---	---	23
24	---	---	0.704B	1.28	1.31	6.31	2.74	0.889	0.550E	2.31E	---	---	24
25	---	---	0.728B	1.65	1.25	5.70	2.54	0.850	3.97 E	2.79E	---	---	25
26	---	---	0.760B	1.85	1.22	4.27	2.23	0.816	11.9 E	2.96E	---	---	26
27	---	---	0.784B	2.19	1.21	3.59	2.01	0.797	7.56 E	2.61A	---	---	27
28	---	---	0.808B	2.83	1.28	3.11	1.82	0.766	4.77 E	2.50E	---	---	28
29	---		0.832B	3.27	1.56	3.05	1.69	0.737	4.05 E	2.40E	---	---	29
30	---		0.856B	3.17	1.56	2.64	1.73	0.749	3.73 A	2.23E	---	---	30
31	---		0.885B		1.41		2.85	0.796		2.11E		---	31
TOTAL	---	---	19.084	37.932	61.39	89.519	117.55	43.424	51.206	102.07	---	---	TOTAL
MEAN	---	---	0.616	1.26	1.98	2.98	3.79	1.40	1.71	3.29	---	---	MEAN
MAX	---	---	0.885	3.27	3.79	11.7	23.3	2.89	11.9	8.29	---	---	MAX
MIN	---	---	0.428	0.744	1.21	0.969	1.39	0.737	0.550	1.86	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.13
MAXIMUM DAILY, 23.3 ON JUL 16
MINIMUM DAILY, 0.428B ON MAR 1
MAXIMUM INSTANTANEOUS,
35.8 AT 10:58 CST ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 40 N
LONG 101 06 45 W
DRAINAGE AREA, 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 200
FEB	---	AUG	3 750
MAR	1 650	SEP	4 420
APR	3 280	OCT	8 820
MAY	5 300	NOV	---
JUN	7 730	DEC	---

TOTAL DISCHARGE, 45 200 dam³

STEPHENFIELD RESERVOIR NEAR STEPHENFIELD - STATION NO. 05OF008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	295.680E	295.714	295.693A	295.686	295.691	295.743	295.592	294.418	294.562	---	1
2	---	---	295.680E	295.715	295.692E	295.687	295.684	295.715	295.590	294.423	294.573	---	2
3	---	---	295.679E	295.706	295.691E	295.685	295.677	295.699	295.584	294.430	294.588A	---	3
4	---	---	295.679E	295.7.2	295.691E	295.686	295.671	295.691	295.574	294.450	---	---	4
5	---	---	295.678E	295.701	295.690E	295.689	295.662	295.692	295.575	294.463	---	---	5
6	---	---	295.678E	295.701	295.689E	295.681	295.656	295.700	295.598	294.471	---	---	6
7	---	---	295.677E	295.695	295.688A	295.680	295.647	295.696	295.606	294.457	---	---	7
8	---	---	295.677E	295.688	295.682	295.672	295.633	295.695	295.609	294.433	---	---	8
9	---	---	295.676E	295.691	295.679	295.669	295.612	295.689	295.586	294.414	---	---	9
10	---	---	295.676E	295.690	295.679	295.666	295.599	295.685	295.469	294.399	---	---	10
11	---	---	295.675A	295.680	295.681	295.663	295.619	295.679	295.331	294.386	---	---	11
12	---	---	295.668	295.688	295.681	295.660	295.658	295.671	295.195	294.382	---	---	12
13	---	---	295.671	295.682	295.681	295.658	295.664	295.664	295.055	294.383	---	---	13
14	---	---	295.680	295.676	295.680	295.663	295.662	295.656	294.908	294.376	---	---	14
15	---	---	295.682	295.683	295.673	295.666	295.665	295.649	294.756	294.378	---	---	15
16	---	---	295.689	295.690	295.669	295.669	295.738	295.644	294.620	294.390	---	---	16
17	---	---	295.689	295.678	295.674	295.667	295.793	295.643	294.479	294.407	---	---	17
18	---	---	295.687	295.675A	295.676	295.662	295.760	295.639	294.346	294.413	---	---	18
19	---	---	295.688	295.676E	295.680	295.657	295.729	295.632	294.339	294.420	---	---	19
20	---	---	295.690	295.678E	295.677	295.659	295.707	295.627	294.340	294.428	---	---	20
21	---	---	295.688	295.679E	295.672	295.663	295.692	295.624	294.340	294.442	---	---	21
22	---	---	295.688	295.681E	295.671	295.680	295.682	295.622	294.344	294.448	---	---	22
23	---	---	295.688	295.682E	295.676	295.694	295.677	295.620	294.348	294.456	---	---	23
24	---	---	295.689	295.683E	295.686	295.832	295.669	295.623	294.351	294.461	---	---	24
25	---	---	295.694	295.685E	295.702	295.846	295.661	295.622	294.352	294.471	---	---	25
26	---	---	295.695	295.686E	295.714	295.779	295.655	295.622	294.390	294.481	---	---	26
27	---	---	295.696	295.688E	295.713	295.744	295.650	295.617	294.397	294.487	---	---	27
28	---	---	295.701	295.689E	295.710	295.723	295.645	295.612	294.394	294.496	---	---	28
29	---		295.711	295.690E	295.703	295.709	295.637	295.607	294.392	294.511	---	---	29
30	---		295.716	295.692E	295.698	295.699	295.646	295.600	294.403	294.533	---	---	30
31	---		295.720		295.695		295.733	295.597		294.547		---	31
MEAN	---	---	295.687	295.689	295.687	295.693	295.673	295.654	294.895	294.440	---	---	MEAN
MAX	---	---	295.720	295.715	295.714	295.846	295.793	295.743	295.609	294.547	---	---	MAX
MIN	---	---	295.668	295.675	295.669	295.657	295.599	295.597	294.339	294.376	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 295.846 ON JUN 25

MAXIMUM INSTANTANEOUS,
295.919 AT 19:17 CST ON JUN 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 16 49 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

STONY CREEK NEAR BROOMHILL - STATION NO. 05NG019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0 B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0 B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0 B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0 B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0 B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0 B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0 B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0 B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0	0	0	0	0	0	0	0	---	---	16
17	---	0.005B	0	0	0	0	0	0	0	0	---	---	17
18	---	0.010B	0	0	0	0	0	0	0	0	---	---	18
19	---	0.020B	0	0	0	0	0	0	0	0	---	---	19
20	---	0.025B	0	0	0	0	0	0	0	0	---	---	20
21	---	0.030B	0	0	0	0	0	0	0	0	---	---	21
22	---	0.040B	0	0	0	0	0	0	0	0	---	---	22
23	---	0.050B	0	0	0	0	0	0	0	0	---	---	23
24	---	0.042B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.033B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.023B	0	0	0	0	0	0	0	0	---	---	26
27	---	0.012B	0	0	0	0	0	0	0	0	---	---	27
28	---	0.005B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	0.295	0.003	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.011	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.050	0.002	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002B ON MAR 1
MINIMUM DAILY, 0B ON MAR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 52 N
LONG 101 05 54 W
DRAINAGE AREA, 474 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	25.5	AUG	0
MAR	0.26	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.26 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

STURGEON CREEK AT ST. JAMES - STATION NO. 05MJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.120B	1.94	0.002	0.026	0	0.026	0	0	---	---	1
2	---	---	0.117B	1.87	0.001	0.025	0	0.027	0	0	---	---	2
3	---	---	0.114B	1.80	0	0.026	0	0.018	0	0	---	---	3
4	---	---	0.110B	1.74	0	0.037	0	0.023	0	0.026	---	---	4
5	---	---	0.107B	1.67	0	0.026	0	0.044	0.004	0	---	---	5
6	---	---	0.103B	1.60	0.001	0.023	0	0.041	0.041	0	---	---	6
7	---	---	0.100B	1.20	0.002	0.024	0	0.029	0.007	0.026	---	---	7
8	---	---	0.402B	0.800	0.002	0.026	0	0	0	0.036	---	---	8
9	---	---	0.704B	0.400	0.002	0.026	0	0	0	0.023	---	---	9
10	---	---	1.01 B	0	0.001	0.023	0	0	0.007	0	---	---	10
11	---	---	1.31 B	0	0.001	0.023	0	0	0.016	0.027	---	---	11
12	---	---	1.61 B	0	0.001	0.024	0	0	0	0.038	---	---	12
13	---	---	1.91 B	0	0	0.033	0	0.010	0	0.039	---	---	13
14	---	---	2.22 B	0	0	0.041	0	0.024	0	0.035	---	---	14
15	---	---	2.52 B	0	0	0.039	0.020E	0.032	0	0	---	---	15
16	---	---	2.82 B	0	0	0.003	0.045E	0.018	0	0	---	---	16
17	---	---	3.00 B	0	0	0	0.035A	0.001	0	0	---	---	17
18	---	---	2.67 B	0	0	0	0.025	0.037	0	0	---	---	18
19	---	---	2.34 B	0	0	0	0.027	0.038	0	0	---	---	19
20	---	---	2.02 B	0	0	0	0.026	0.038	0	0	---	---	20
21	---	---	1.69 B	0	0.001A	0	0.025	0.032	0	0	---	---	21
22	---	---	1.36 B	0	0.044	0	0.025	0.022	0	0	---	---	22
23	---	---	1.03 B	0	0.044	0	0.025	0	0	0.026	---	---	23
24	---	---	0.702B	0	0.035	0	0.028	0	0	0.039	---	---	24
25	---	---	1.04	0	0.026	0	0.025	0	0.033	0.041	---	---	25
26	---	---	1.38	0	0.023	0	0.027	0	0.034	0.041	---	---	26
27	---	---	1.72	0.001A	0.023	0	0.025	0.003	0.018	0.051	---	---	27
28	---	---	2.06	0.001	0.030	0	0.031	0.015	0	0.069A	---	---	28
29	---		2.40	0.002	0.027	0	0.029	0.022	0.019	0.050E	---	---	29
30	---		2.20	0.002	0.025	0	0.037	0.021	0.001	0.040E	---	---	30
31	---		2.01		0.029		0.035	0.028		0.030E		---	31
TOTAL	---	---	42.899	13.026	0.320	0.425	0.490	0.549	0.180	0.637	---	---	TOTAL
MEAN	---	---	1.38	0.434	0.010	0.014	0.016	0.018	0.006	0.021	---	---	MEAN
MAX	---	---	3.00	1.94	0.044	0.041	0.045	0.044	0.041	0.069	---	---	MAX
MIN	---	---	0.100	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.239
MAXIMUM DAILY, 3.00B ON MAR 17
MINIMUM DAILY, 0 ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 16 43 W
DRAINAGE AREA, 572 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	42.3
FEB	---	AUG	47.4
MAR	3 710	SEP	15.6
APR	1 130	OCT	55.0
MAY	27.6	NOV	---
JUN	36.7	DEC	---

TOTAL DISCHARGE, 5 060 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO. 05MJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.036B	1.42	0.068	0.065	0.220	0	0	0.019	---	---	1
2	---	---	0.036B	1.06	0.131	0.049	0.196	0	0	0.040	---	---	2
3	---	---	0.036B	0.843	0.129	0.031	0.170	0	0	0.063	---	---	3
4	---	---	0.036B	0.680	0.128	0.026	0.158	0	0	0.121	---	---	4
5	---	---	0.036B	0.548	0.109	0.036	0.148	0.003	0	0.120	---	---	5
6	---	---	0.037B	0.450	0.095	0.009	0.127	0.051	0.012	0.115	---	---	6
7	---	---	0.038B	0.268	0.093	0.003	0.114	0.095	0.054	0.102	---	---	7
8	---	---	0.039B	0.256	0.084	0.001	0.103	0.076	0.087	0.094	---	---	8
9	---	---	0.040B	0.212	0.051	0	0.064	0.063	0.093	0.092	---	---	9
10	---	---	0.040B	0.137	0.052	0	0.042	0.060	0.084	0.084	---	---	10
11	---	---	0.196B	0.102	0.039	0	0.043	0.062	0.083	0.063	---	---	11
12	---	---	0.351B	0.084	0.021	0	0.044	0.056	0.069	0.114	---	---	12
13	---	---	0.507B	0.014	0.017	0	0.016	0.050	0.064	0.162	---	---	13
14	---	---	0.804B	0.035	0.012	0	0.002	0.043	0.050	0.101	---	---	14
15	---	---	1.10 B	0.050	0.009	0	0.001	0.029	0.041	0.050	---	---	15
16	---	---	1.90 B	0.069	0.003	0.006	0	0.013	0.032	0.014	---	---	16
17	---	---	2.62 B	0.008	0.001	0.023	0	0.012	0.025	0.003	---	---	17
18	---	---	2.03 B	0.036	0	0.001	0	0.022	0.027	0.010	---	---	18
19	---	---	1.85 B	0.039	0	0	0	0.007	0.022	0.058	---	---	19
20	---	---	1.46 B	0.065	0	0	0	0.002	0.015	0.037	---	---	20
21	---	---	1.31 B	0.091	0	0	0	0.001	0.017	0.023	---	---	21
22	---	---	1.32 B	0.046	0.028	0.012	0	0	0.010	0.013	---	---	22
23	---	---	1.19 B	0.008	0.042	0.030	0	0	0.012	0.004B	---	---	23
24	---	---	1.05 B	0.001	0.039	0.066	0	0	0.010	0.002B	---	---	24
25	---	---	1.26 B	0.001	0.024	0.085	0	0	0.004	0.001B	---	---	25
26	---	---	2.14	0.001	0.016	0.073	0	0	0.047	0 B	---	---	26
27	---	---	2.90	0.001	0.007	0.092	0	0	0.007	0 B	---	---	27
28	---	---	2.80	0.003	0.015	0.137	0	0	0.003	0 B	---	---	28
29	---		3.13	0.009	0.047	0.186	0	0	0.002	0 B	---	---	29
30	---		2.36	0.016	0.047	0.237	0	0	0.001	0 B	---	---	30
31	---		1.93		0.073		0	0		0 B		---	31
TOTAL	---	---	34.582	6.553	1.380	1.168	1.448	0.645	0.871	1.505	---	---	TOTAL
MEAN	---	---	1.12	0.218	0.045	0.039	0.047	0.021	0.029	0.049	---	---	MEAN
MAX	---	---	3.13	1.42	0.131	0.237	0.220	0.095	0.093	0.162	---	---	MAX
MIN	---	---	0.036	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.197
MAXIMUM DAILY, 3.13 ON MAR 29
MINIMUM DAILY, 0 ON MAY 18
MAXIMUM INSTANTANEOUS,
3.26 AT 14:57 CST ON MAR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 20 N
LONG 97 20 40 W
DRAINAGE AREA, 581 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	125
FEB	---	AUG	55.7
MAR	2 990	SEP	75.3
APR	566	OCT	130
MAY	119	NOV	---
JUN	101	DEC	---

TOTAL DISCHARGE, 4 160 dam³

SWAN (PEMBINA) LAKE NEAR SWAN LAKE - STATION NO. 05OB018

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.490E	1.070	0.998	0.693	0.636	0.641	0.630	0.641	---	---	1
2	---	---	0.495E	1.106	0.981	0.683	0.634	0.640	0.626	0.641	---	---	2
3	---	---	0.508E	1.118	0.955	0.674	0.641	0.639	0.626	0.640	---	---	3
4	---	---	0.516E	1.095	0.927	0.660	0.643	0.637	0.624	0.642	---	---	4
5	---	---	0.526E	1.113	0.907	0.653	0.634	0.635	0.628	0.641	---	---	5
6	---	---	0.540E	1.130	0.873	0.660	0.638	0.629	0.632	0.639	---	---	6
7	---	---	0.552E	1.142	0.857	0.657	0.638	0.624	0.632	0.642	---	---	7
8	---	---	0.565E	1.152	0.844	0.646	0.639	0.620	0.632	0.639	---	---	8
9	---	---	0.579A	1.159	0.830	0.638	0.646	0.615	0.632	0.639	---	---	9
10	---	---	0.606	1.148	0.827	0.639	0.652	0.610	0.634	0.640	---	---	10
11	---	---	0.627	1.160	0.807	0.646	0.653	0.601	0.634	0.641	---	---	11
12	---	---	0.647	1.157	0.797	0.646	0.654	0.601	0.638	0.645	---	---	12
13	---	---	0.665	1.144	0.771	0.645	0.656	0.599	0.642	0.649	---	---	13
14	---	---	0.688	1.145	0.759	0.655	0.657	0.598	0.641	0.652	---	---	14
15	---	---	0.740	1.148	0.744	0.646	0.659	0.597	0.642	0.653	---	---	15
16	---	---	0.785	1.128	0.738	0.640	0.658	0.599	0.642	0.653	---	---	16
17	---	---	0.820	1.118	0.747	0.640	0.656	0.602	0.648	0.651	---	---	17
18	---	---	0.864	1.121	0.748	0.614	0.654	0.604	0.650	0.653	---	---	18
19	---	---	0.903	1.108	0.737	0.614	0.653	0.608	0.647	0.656A	---	---	19
20	---	---	0.925	1.108	0.736	0.602	0.651	0.610	0.646	0.656E	---	---	20
21	---	---	0.951	1.101	0.702	0.617	0.649	0.617	0.649	0.656E	---	---	21
22	---	---	0.973	1.069	0.683	0.617	0.649	0.619	0.651	0.656E	---	---	22
23	---	---	0.992	1.061	0.686	0.623	0.648	0.621	0.650	0.656E	---	---	23
24	---	---	1.017	1.061	0.705	0.636	0.647	0.624	0.645	0.656E	---	---	24
25	---	---	1.028	1.053	0.714	0.648	0.646	0.622	0.647	0.655E	---	---	25
26	---	---	1.038	1.042	0.714	0.635	0.645	0.623	0.648	0.655E	---	---	26
27	---	---	1.050	1.015	0.724	0.637	0.646	0.621	0.647	0.655E	---	---	27
28	---	---	1.047	1.003	0.736	0.643	0.647	0.623	0.645	0.655E	---	---	28
29	---		1.044	1.007	0.705	0.649	0.649	0.625	0.644	0.655E	---	---	29
30	---		1.052	1.004	0.694	0.634	0.648	0.624	0.644	0.654E	---	---	30
31	---		1.056		0.695		0.641	0.627		0.654E		---	31
MEAN	---	---	0.784	1.100	0.785	0.643	0.647	0.618	0.640	0.649	---	---	MEAN
MAX	---	---	1.056	1.160	0.998	0.693	0.659	0.641	0.651	0.656	---	---	MAX
MIN	---	---	0.490	1.003	0.683	0.602	0.634	0.597	0.624	0.639	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.160 ON APR 11

MAXIMUM INSTANTANEOUS,
1.168 AT 20:17 CST ON APR 11

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 20 N
LONG 98 54 00 W

A - MANUAL GAUGE

E - ESTIMATED

SWAN LAKE NEAR NOVRA - STATION NO. 05LE007

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	258.525E	258.680	258.699	258.685	258.561	258.623	258.519	---	---	1
2	---	---	---	258.525A	258.662	258.697	258.662	258.586	258.591	258.590	---	---	2
3	---	---	---	258.541	258.671	258.706	258.667	258.593	258.578	258.496	---	---	3
4	---	---	---	258.529	258.687	258.686	258.655A	258.595	258.606	258.476	---	---	4
5	---	---	---	258.539	258.697	258.614	258.640A	258.602	258.568	258.494	---	---	5
6	---	---	---	258.540	258.706	258.679	258.657	258.595	258.537	258.502	---	---	6
7	---	---	---	258.534	258.713	258.626	258.575	258.596	258.535	258.531	---	---	7
8	---	---	---	258.526	258.712	258.655	258.543	258.592	258.558	258.543	---	---	8
9	---	---	---	258.525	258.730	258.643	258.569	258.620	258.550	258.513	---	---	9
10	---	---	---	258.524	258.730	258.616	258.579	258.626	258.515	258.511	---	---	10
11	---	---	---	258.521	258.727	258.631	258.571	258.612	258.511	258.493	---	---	11
12	---	---	---	258.525	258.732	258.647	258.559	258.618	258.501	258.502	---	---	12
13	---	---	---	258.519	258.738	258.638	258.572	258.603	258.479	258.482	---	---	13
14	---	---	---	258.525	258.743	258.640	258.557	258.598	258.488	258.525	---	---	14
15	---	---	---	258.529	258.756	258.616	258.582	258.632	258.482	258.543	---	---	15
16	---	---	---	258.528	258.751	258.648	258.593	258.615	258.511	258.540	---	---	16
17	---	---	---	258.548	258.732	258.561	258.596	258.615	258.501	258.445	---	---	17
18	---	---	---	258.556	258.734	258.[illegible]61	258.606	258.616	258.494	258.515	---	---	18
19	---	---	---	258.548	258.714	258.654	258.594	258.601	258.520	258.551	---	---	19
20	---	---	---	258.559	258.725	258.652	258.613	258.603	258.544	258.528	---	---	20
21	---	---	---	258.742	258.723	258.659	258.618	258.617	258.520	258.554	---	---	21
22	---	---	---	258.627	258.702	258.668	258.611	258.599	258.525	258.505	---	---	22
23	---	---	---	258.630	258.699	258.685	258.596	258.597	258.467	258.580	---	---	23
24	---	---	---	258.617	258.702	258.649	258.507	258.597	258.476	258.589	---	---	24
25	---	---	---	258.617	258.706	258.644	258.557	258.588	258.493	258.590	---	---	25
26	---	---	---	258.639	258.716	258.690	258.596	258.577	258.337	258.606	---	---	26
27	---	---	---	258.639	258.720	258.655	258.585	258.593	258.400	258.605	---	---	27
28	---	---	---	258.638	258.695	258.659	258.564	258.577	258.536	258.607	---	---	28
29	---		---	258.669	258.662	258.669	258.566	258.557	258.537	258.616	---	---	29
30	---		---	258.665	258.703	258.684	258.579	258.553	258.516	258.617A	---	---	30
31	---		---		258.712		258.532	258.479		258.617E		---	31
MEAN	---	---	---	258.572	258.712	258.650	258.593	258.594	258.517	258.541	---	---	MEAN
MAX	---	---	---	258.742	258.756	258.706	258.685	258.632	258.623	258.617	---	---	MAX
MIN	---	---	---	258.519	258.662	258.541	258.507	258.479	258.337	258.445	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.756 ON MAY 15

MAXIMUM INSTANTANEOUS,
258.967 AT 13:58 CST ON APR 21

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
9 760 km²

SWAN RIVER NEAR MINITONAS - STATION NO. 05LE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.744B	0.406B	0.248B	5.01B	10.7	3.67 E	3.73	3.76	0.028	0.057	10.4	1.78 B	1
2	0.728B	0.401B	0.248B	5.87B	10.8	2.73 E	3.40	3.44	0.027	0.053	9.69	1.73 B	2
3	0.713B	0.391B	0.248B	6.56B	11.1	2.20 E	3.16	2.95	0.025	0.052	9.27	1.67 B	3
4	0.690B	0.381B	0.248B	7.73B	10.7	1.91 E	2.85	2.54	0.023	0.038	8.80B	1.61 B	4
5	0.675B	0.372B	0.248B	9.56B	10.2	1.70 E	2.55	2.52	0.023	0.023	8.25B	1.55 B	5
6	0.660B	0.369B	0.248B	11.1 B	9.87	1.56 E	2.33	2.55	0.025	0.019	7.70B	1.50 B	6
7	0.646B	0.358B	0.248B	11.9 B	9.76	1.43 E	2.41	2.73	0.025	0.016	7.15B	1.44 B	7
8	0.632B	0.349B	0.248B	12.1 B	9.36	1.29 E	2.80	2.54	0.023	0.014	6.60B	1.38 B	8
9	0.625B	0.340B	0.248B	11.8 B	8.78	1.20 E	2.62	2.27	0.023	0.010	6.07	1.34 B	9
10	0.611B	0.336B	0.248B	11.9 B	8.36	1.11 E	2.33	2.39	0.022	0.021	5.24B	1.30 B	10
11	0.597B	0.328B	0.262B	12.5 B	7.66	1.04 E	2.01	2.55	0.022	0.020	4.44B	1.26 B	11
12	0.584B	0.320B	0.312B	13.1 B	7.17	0.980E	1.81	2.22	0.020	0.021	3.63B	1.22 B	12
13	0.578B	0.312B	0.372B	12.6 B	6.63	0.960E	1.64	1.93	0.019	0.027	2.82	1.18 B	13
14	0.566B	0.308B	0.436B	12.1 B	6.00	0.960E	1.46	1.91	0.017	0.022	2.76B	1.14 B	14
15	0.554B	0.300B	0.500B	11.8 B	5.38	1.00 E	1.62	1.59	0.014	0.035	2.70B	1.10 B	15
16	0.542B	0.293B	0.548B	11.5 B	4.79	1.18 E	1.66	1.22	0.012	1.25 E	2.65B	1.06 B	16
17	0.536B	0.286B	0.584B	11.1 B	4.55	2.22 E	1.47	0.964	0.011	7.25 E	2.59B	1.01 B	17
18	0.525B	0.283B	0.618B	10.8 B	4.29	3.53 E	1.71	0.788	0.012	16.8 E	2.53B	0.974B	18
19	0.515B	0.276B	0.632B	10.5 B	3.95	5.27 E	1.43	0.605	0.013	16.7 E	2.47B	0.934B	19
20	0.505B	0.269B	0.653B	10.2 B	3.62	7.55 E	1.23	0.514	0.015	15.9 E	2.42B	0.893B	20
21	0.500B	0.262B	0.675B	9.87B	3.44	9.77 E	1.50	0.450	0.016	15.2 E	2.36B	0.853B	21
22	0.490B	0.258B	0.720B	9.59	3.27	7.13 E	2.81	0.346	0.018	14.4 E	2.30B	0.812B	22
23	0.480B	0.251B	0.769B	9.11	3.16	4.62 E	3.10	0.264	0.018	13.6 E	2.24B	0.771B	23
24	0.471B	0.245B	0.892B	8.96	2.99	2.85 A	2.97	0.207	0.019	14.2 E	2.19B	0.731B	24
25	0.467B	0.245B	1.21 B	8.90	2.89	2.73	2.83	0.159	0.022	14.8 E	2.13B	0.690B	25
26	0.458B	0.245B	1.59 B	8.87	2.66	2.89	2.49	0.125	0.052	14.3 E	2.07B	0.650B	26
27	0.449B	0.245B	2.03 B	8.78	2.63A	3.07	2.19	0.096	0.062	13.7 E	2.01B	0.609B	27
28	0.440B	0.245B	2.53 B	9.05	2.46E	3.07	1.91	0.079	0.054	13.2 E	1.96B	0.569B	28
29	0.436B		3.06 B	10.1	2.29E	3.29	2.61	0.062	0.077	12.6 A	1.90B	0.528B	29
30	0.426B		3.60 B	10.5	2.73E	3.99	4.34	0.049	0.067	12.1	1.84B	0.487B	30
31	0.416B		4.23 B		3.19E		4.53	0.039		11.7		0.447B	31
TOTAL	17.259	8.674	28.703	303.46	185.38	86.900	75.50	43.857	0.804	208.128	129.18	33.218	TOTAL
MEAN	0.557	0.310	0.926	10.1	5.98	2.90	2.44	1.41	0.027	6.71	4.31	1.07	MEAN
MAX	0.744	0.406	4.23	13.1	11.1	9.77	4.53	3.76	0.077	16.8	10.4	1.78	MAX
MIN	0.416	0.245	0.248	5.01	2.29	0.960	1.23	0.039	0.011	0.010	1.84	0.447	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.07
MAXIMUM DAILY, 16.8E ON OCT 18
MINIMUM DAILY, 0.010 ON OCT 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 490	JUL	6 520
FEB	749	AUG	3 790
MAR	2 480	SEP	69.5
APR	26 200	OCT	18 000
MAY	16 000	NOV	11 200
JUN	7 510	DEC	2 870

TOTAL DISCHARGE, 95 900 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO. 05TG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.70B	1.13 B	0.870B	0.753B	0.748B	8.64	1.37	0.479	0.069	0.030	3.26B	1.39 B	1
2	1.70B	1.13 B	0.870B	0.753B	0.914B	8.08	1.31	0.447	0.067	0.030	3.08B	1.37 B	2
3	1.68B	1.11 B	0.863B	0.748B	1.31 B	7.58	1.26	0.400	0.065	0.030	2.91B	1.32 B	3
4	1.60B	1.10 B	0.857B	0.748B	1.69 B	7.14	1.18	0.354	0.064	0.030	2.76B	1.31 B	4
5	1.57B	1.08 B	0.850B	0.748B	2.89 B	6.75	1.11	0.322	0.064	0.030	2.70B	1.28 B	5
6	1.54B	1.07 B	0.844B	0.742B	7.14 B	6.29	1.05	0.293	0.062	0.030	2.61B	1.26 B	6
7	1.51B	1.07 B	0.838B	0.742B	10.6 B	5.92	0.999	0.278	0.060	0.030	2.51B	1.22 B	7
8	1.49B	1.06 B	0.831B	0.736B	15.6 B	5.53	0.965	0.242	0.058	0.032	2.43B	1.20 B	8
9	1.47B	1.05 B	0.825B	0.736B	19.2 B	5.18	0.914	0.219	0.054	0.035	2.36B	1.18 B	9
10	1.46B	1.04 B	0.819B	0.731B	20.2 B	4.97	0.870	0.204	0.052	0.047	2.28B	1.17 B	10
11	1.43B	1.03 B	0.812B	0.731B	20.9 B	4.55	0.806	0.187	0.050	0.093	2.19B	1.14 B	11
12	1.41B	1.02 B	0.806B	0.725B	21.3 B	4.25	0.770	0.168	0.049	1.32	2.14B	1.11 B	12
13	1.38B	1.01 B	0.799B	0.719B	21.4 B	3.98	0.731	0.153	0.047	4.92	2.07B	1.07 B	13
14	1.37B	0.999B	0.793B	0.714B	21.4 B	3.73	0.691	0.136	0.047	6.34	2.04B	1.05 B	14
15	1.35B	0.985B	0.787B	0.714B	21.4 B	3.50	0.663	0.131	0.045	6.75	1.98B	1.02 B	15
16	1.33B	0.978B	0.782B	0.714B	20.9	3.28	0.623	0.123	0.045	7.33	1.93B	1.01 B	16
17	1.32B	0.965B	0.782B	0.714B	20.1	3.03	0.577	0.114	0.043	8.58	1.87B	0.999B	17
18	1.31B	0.953B	0.776B	0.708B	19.2	2.86	0.558	0.108	0.043	8.66	1.84B	0.985B	18
19	1.30B	0.940B	0.776B	0.708B	18.1	2.66	0.530	0.106	0.041	8.07	1.78B	0.978B	19
20	1.28B	0.934B	0.776B	0.708B	17.0	2.51	0.493	0.101	0.039	7.40 A	1.74B	0.965B	20
21	1.26B	0.927B	0.770B	0.708B	16.1	2.35	0.475	0.097	0.037	6.98 E	1.71B	0.953B	21
22	1.24B	0.927B	0.770B	0.708B	15.2	2.19	0.456	0.093	0.037	6.34 E	1.68B	0.940B	22
23	1.23B	0.921B	0.765B	0.708B	14.2	2.07	0.461	0.090	0.035	5.99 E	1.64B	0.927B	23
24	1.21B	0.914B	0.765B	0.702B	13.4	2.03	0.502	0.086	0.035	5.47 E	1.60B	0.914B	24
25	1.20B	0.908B	0.765B	0.702B	12.8	1.86	0.697	0.084	0.034	5.13 B	1.56B	0.902B	25
26	1.19B	0.902B	0.759B	0.702B	11.9	1.77	0.753	0.082	0.032	4.80 B	1.53B	0.882B	26
27	1.18B	0.889B	0.759B	0.702B	11.5	1.67	0.742	0.080	0.032	4.44 B	1.51B	0.870B	27
28	1.17B	0.882B	0.759B	0.702B	10.8	1.59	0.691	0.078	0.030	4.06 B	1.48B	0.850B	28
29	1.15B		0.753B	0.702B	10.2	1.52	0.634	0.077	0.030	3.79 B	1.46B	0.844B	29
30	1.14B		0.753B	0.702B	9.70	1.46	0.591	0.075	0.030	3.58 B	1.42B	0.831B	30
31	1.14B		0.753B		9.22		0.553	0.073		3.42 B		0.825B	31
TOTAL	42.31	27.924	24.727	21.630	417.012	118.94	24.025	5.480	1.396	113.787	62.07	32.765	TOTAL
MEAN	1.36	0.997	0.798	0.721	13.5	3.96	0.775	0.177	0.047	3.67	2.07	1.06	MEAN
MAX	1.70	1.13	0.870	0.753	21.4	8.64	1.37	0.479	0.069	8.66	3.26	1.39	MAX
MIN	1.14	0.882	0.753	0.702	0.748	1.46	0.456	0.073	0.030	0.030	1.42	0.825	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.44
MAXIMUM DAILY, 21.4B ON MAY 13
MINIMUM DAILY, 0.030 ON SEP 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 660	JUL	2 080
FEB	2 410	AUG	473
MAR	2 140	SEP	121
APR	1 870	OCT	9 830
MAY	36 000	NOV	5 360
JUN	10 300	DEC	2 830

TOTAL DISCHARGE, 77 100 dam³

REMARKS - HIGH FLOWS ON THE BURNTWOOD RIVER CREATE BACKWATER AT THIS GAUGING STATION

TOBACCO CREEK NEAR ROSEBANK - STATION NO. 05OF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.033B	0.054A	0	0.012	0.026	0.003	0	0	---	---	1
2	---	0 B	0.023B	0.057	0	0.011	0.023	0.002	0	0	---	---	2
3	---	0 B	0.018B	0.054	0	0.009E	0.018	0.002	0	0	---	---	3
4	---	0 B	0.015B	0.050	0	0.008E	0.015	0.001	0	0	---	---	4
5	---	0 B	0.014B	0.047	0	0.008E	0.012	0.004	0	0	---	---	5
6	---	0 B	0.013B	0.045	0	0.007E	0.010	0.007	0	0	---	---	6
7	---	0 B	0.013B	0.040	0	0.006E	0.007	0.005	0	0	---	---	7
8	---	0 B	0.013B	0.038	0	0.005E	0.001	0.004	0	0	---	---	8
9	---	0 B	0.013B	0.039	0	0.004A	0	0.003	0	0	---	---	9
10	---	0 B	0.013B	0.037	0	0.003	0	0.002	0	0	---	---	10
11	---	0 B	0.019B	0.034	0	0.003	0	0	0	0	---	---	11
12	---	0 B	0.047B	0.033	0	0.002	0	0	0	0	---	---	12
13	---	0 B	0.090B	0.031	0	0.001	0	0	0	0	---	---	13
14	---	0 B	0.132B	0.029	0	0.001	0	0	0	0	---	---	14
15	---	0 B	0.243B	0.028	0	0.002	0	0	0	0	---	---	15
16	---	0 B	0.339B	0.026	0	0.001	0	0	0	0	---	---	16
17	---	0.001B	0.192B	0.023	0	0	0	0	0	0	---	---	17
18	---	0.003B	0.144B	0.021	0	0	0	0	0	0	---	---	18
19	---	0.008B	0.129B	0.019	0	0	0	0	0	0	---	---	19
20	---	0.023B	0.119B	0.017	0	0	0	0	0	0	---	---	20
21	---	0.110B	0.112B	0.015	0	0	0	0	0	0	---	---	21
22	---	0.305B	0.103B	0.013	0	0.001	0	0	0	0	---	---	22
23	---	0.579B	0.096B	0.011	0	0.004	0	0	0	0	---	---	23
24	---	0.481B	0.092B	0.009	0	0.013	0	0	0	0	---	---	24
25	---	0.329B	0.086B	0.007	0	0.059	0	0	0	0	---	---	25
26	---	0.243B	0.080E	0.005	0.001	0.046	0	0	0	0	---	---	26
27	---	0.161B	0.075E	0.003	0.019	0.039	0	0	0	0	---	---	27
28	---	0.104B	0.071E	0.001	0.020	0.037	0	0	0	0	---	---	28
29	---		0.067E	0	0.021	0.034	0	0	0	0	---	---	29
30	---		0.063E	0	0.016	0.030	0.002	0	0	0	---	---	30
31	---		0.058E		0.014		0.004	0		0		---	31
TOTAL	---	2.347	2.525	0.786	0.091	0.346	0.118	0.033	0	0	---	---	TOTAL
MEAN	---	0.084	0.081	0.026	0.003	0.012	0.004	0.001	0	0	---	---	MEAN
MAX	---	0.579	0.339	0.057	0.021	0.059	0.026	0.007	0	0	---	---	MAX
MIN	---	0	0.013	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.016
MAXIMUM DAILY, 0.339B ON MAR 16
MINIMUM DAILY, 0 ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 17 N
LONG 98 11 05 W
DRAINAGE AREA, 87.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	10.2
FEB	203	AUG	2.85
MAR	218	SEP	0
APR	67.9	OCT	0
MAY	7.86	NOV	---
JUN	29.9	DEC	---

TOTAL DISCHARGE, 337 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

TOUROND CREEK NEAR TOUROND - STATION NO. 05OE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.078	0.007	0.060	0.030	0	0	0.004	---	---	1
2	---	---	0.005B	0.083	0.006	0.047	0.019	0	0	0.002	---	---	2
3	---	---	0.005B	0.074	0.006	0.033	0.018	0	0	0.001	---	---	3
4	---	---	0.005B	0.058	0.006	0.023	0.017	0	0	0.004	---	---	4
5	---	---	0.005B	0.047	0.005	0.019	0.015	0.002	0	0.006	---	---	5
6	---	---	0.006B	0.040	0.005	0.017	0.013	0.008	0	0.006	---	---	6
7	---	---	0.008B	0.028	0.004	0.016	0.010	0.009	0	0.005	---	---	7
8	---	---	0.009B	0.021	0.004	0.014	0.007	0.012	0	0.005	---	---	8
9	---	---	0.010B	0.018	0.004	0.013	0.005	0.009	0	0.005	---	---	9
10	---	---	0.010B	0.016	0.004	0.012	0.003	0.007	0	0.005	---	---	10
11	---	---	0.012B	0.014	0.003	0.010	0.002	0.006	0	0.005	---	---	11
12	---	---	0.013B	0.013	0.002	0.008	0.002	0.006	0	0.008	---	---	12
13	---	---	0.015B	0.013	0.002	0.008	0.002	0.007	0	0.008	---	---	13
14	---	---	0.016B	0.012	0.001	0.008	0.001	0.007	0	0.008	---	---	14
15	---	---	0.017B	0.011	0.001	0.008	0.001	0.006	0	0.008	---	---	15
16	---	---	0.017B	0.011	0	0.008	0.001	0.005	0	0.009	---	---	16
17	---	---	0.017B	0.009	0	0.008	0.003	0.004	0	0.010	---	---	17
18	---	---	0.017B	0.009	0	0.008	0.002	0.003	0	0.010	---	---	18
19	---	---	0.017B	0.008	0	0.008	0.002	0.001	0	0.011	---	---	19
20	---	---	0.017B	0.008	0	0.008	0.001	0.001	0	0.010	---	---	20
21	---	---	0.018E	0.007	0	0.008	0.001	0	0	0.010	---	---	21
22	---	---	0.018E	0.007	0	0.008	0.001	0	0	0.009	---	---	22
23	---	---	0.020E	0.007	0.004	0.008	0.001	0	0	0.008	---	---	23
24	---	---	0.028E	0.007	0.007	0.011	0.001	0	0	0.008	---	---	24
25	---	---	0.063E	0.007	0.010	0.010	0	0	0	0.008	---	---	25
26	---	---	0.092	0.007	0.015	0.005	0	0	0	0.008	---	---	26
27	---	---	0.109	0.008	0.053	0.415	0	0	0	0.008	---	---	27
28	---	---	0.107	0.008	0.063	1.79	0	0	0	0.008	---	---	28
29	---		0.114	0.008	0.053	0.672	0	0	0	0.008	---	---	29
30	---		0.086	0.007	0.053	0.130	0.001	0	0.001	0.009E	---	---	30
31	---		0.073		0.077		0.003	0		0.009E		---	31
TOTAL	---	---	0.954	0.644	0.395	3.393	0.162	0.093	0.001	0.223	---	---	TOTAL
MEAN	---	---	0.031	0.021	0.013	0.113	0.005	0.003	0	0.007	---	---	MEAN
MAX	---	---	0.114	0.083	0.077	1.79	0.030	0.012	0.001	0.011	---	---	MAX
MIN	---	---	0.005	0.007	0	0.005	0	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.024
MAXIMUM DAILY, 1.79 ON JUN 28
MINIMUM DAILY, 0 ON MAY 16
MAXIMUM INSTANTANEOUS,
3.00 AT 22:41 CST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 96 58 50 W
DRAINAGE AREA, 237 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.0
FEB	---	AUG	8.04
MAR	82.4	SEP	0.09
APR	55.6	OCT	19.3
MAY	34.1	NOV	---
JUN	293	DEC	---

TOTAL DISCHARGE, 507 dam³

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.64 B	1.66	4.62	1.77	0.513	0.730	0.824	---	---	1
2	---	---	0 B	5.43 B	1.64	3.62	1.50	0.449	0.543	0.786	---	---	2
3	---	---	0 B	5.10 B	1.54	2.98	1.34	0.472	0.401	0.657	---	---	3
4	---	---	0 B	4.91 B	1.53	2.45	1.19	0.811	0.322	0.635	---	---	4
5	---	---	0 B	4.73 B	1.61	2.67	0.988	1.05	0.301	0.631	---	---	5
6	---	---	0 B	4.58 B	1.51	2.35	0.861	1.41	0.256A	0.632	---	---	6
7	---	---	0 B	4.42 B	1.32	1.92	0.771	1.28	0.227A	0.607	---	---	7
8	---	---	0 B	4.30 B	1.25	1.60	0.876	0.912	0.214A	0.540	---	---	8
9	---	---	0 B	4.21 B	1.16	1.54	1.04	0.793	0.197A	0.509	---	---	9
10	---	---	0.009B	4.17 B	1.05	1.55	0.886	0.692	0.184	0.493	---	---	10
11	---	---	0.015B	4.14 B	0.976	1.60	0.813	0.651	0.167	0.473	---	---	11
12	---	---	0.098B	4.09 B	0.977	1.36	0.699	0.549	0.172	0.497	---	---	12
13	---	---	0.470B	3.92 B	0.961	1.10	0.612	0.460	0.139	0.761	---	---	13
14	---	---	0.633B	3.75 B	0.944	1.48	0.576	0.401	0.113	0.867	---	---	14
15	---	---	0.732B	3.60 B	0.913	8.34	0.696	0.363	0.120	0.849	---	---	15
16	---	---	0.761B	3.54 B	0.917	14.0	1.62	0.335	0.133	0.740	---	---	16
17	---	---	0.749B	3.45 B	0.877	8.38	1.58	0.309	0.138	0.753	---	---	17
18	---	---	0.708B	2.43 B	0.844	12.8	1.10	0.297	0.127	1.08	---	---	18
19	---	---	0.697B	1.92 B	0.825	9.57	0.853	0.315	0.119	1.08	---	---	19
20	---	---	0.691B	1.64 B	0.798	5.94	0.786	0.317	0.106	0.992	---	---	20
21	---	---	0.685B	1.21 B	0.768	5.61	0.718	0.311	0.112	0.965	---	---	21
22	---	---	0.668B	0.922E	2.80	5.46	0.637	0.307	0.152	0.962	---	---	22
23	---	---	0.680B	1.21 E	13.1	6.32	0.594	0.276	0.172	0.964	---	---	23
24	---	---	0.697B	1.29 E	12.0	6.54	0.730	0.265	0.167	0.960	---	---	24
25	---	---	0.761B	1.42	10.9	5.84	0.763	0.288	0.177	0.957	---	---	25
26	---	---	0.854B	1.60	8.46	4.20	0.646	0.295	0.975	0.871	---	---	26
27	---	---	0.930B	1.59	5.77	3.36	0.576	0.286	1.50	0.765	---	---	27
28	---	---	1.12 B	1.59	4.55	2.74	0.471	0.280	1.23	0.744	---	---	28
29	---		1.29 B	1.53	10.9	2.35	0.404	0.365	0.833	0.720	---	---	29
30	---		2.25 B	1.55	11.3	2.06	0.388	0.233	0.728	0.781	---	---	30
31	---		4.66 B		6.48		0.522	0.504		0.844		---	31
TOTAL	---	---	20.158	93.882	110.330	134.35	27.006	15.789	10.755	23.939	---	---	TOTAL
MEAN	---	---	0.650	3.13	3.56	4.48	0.871	0.509	0.359	0.772	---	---	MEAN
MAX	---	---	4.66	5.64	13.1	14.0	1.77	1.41	1.50	1.08	---	---	MAX
MIN	---	---	0	0.922	0.768	1.10	0.388	0.233	0.106	0.473	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.78
MAXIMUM DAILY, 14.0 ON JUN 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
16.9 AT 01:05 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 40 N
LONG 99 31 15 W
DRAINAGE AREA, 974 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 330
FEB	---	AUG	1 360
MAR	1 740	SEP	929
APR	8 118	OCT	2 070
MAY	9 530	NOV	---
JUN	11 600	DEC	---

TOTAL DISCHARGE, 37 700 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05NG016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.094B	0.035	0.014	0.009	0	0	0	0	---	---	1
2	---	0 B	0.075B	0.038	0.013	0.007	0	0	0	0	---	---	2
3	---	0 B	0.059B	0.033	0.012	0.005	0	0	0	0	---	---	3
4	---	0 B	0.046B	0.026	0.011	0.006	0	0	0	0	---	---	4
5	---	0 B	0.034B	0.023	0.011	0.007	0	0	0	0	---	---	5
6	---	0 B	0.024B	0.019	0.010	0.006	0	0	0	0	---	---	6
7	---	0 B	0.015B	0.017	0.010	0.005	0	0	0	0	---	---	7
8	---	0 B	0.007B	0.015	0.010	0.004	0	0	0	0	---	---	8
9	---	0 B	0.003B	0.013	0.009	0.003	0	0	0	0	---	---	9
10	---	0 B	0.004B	0.011	0.009	0.003	0	0	0	0	---	---	10
11	---	0 B	0.011B	0.010	0.008	0.002	0	0	0	0	---	---	11
12	---	0 B	0.024B	0.010	0.008	0.001	0	0	0	0	---	---	12
13	---	0 B	0.034B	0.010	0.007	0.002	0	0	0	0	---	---	13
14	---	0 B	0.054B	0.009	0.007	0.003	0	0	0	0	---	---	14
15	---	0 B	0.032B	0.009	0.006	0.003	0	0	0	0	---	---	15
16	---	0.100B	0.039B	0.010	0.006	0.002	0	0	0	0	---	---	16
17	---	0.200B	0.056B	0.010	0.005	0.003	0	0	0	0	---	---	17
18	---	0.400B	0.030B	0.010	0.004	0.003	0	0	0	0	---	---	18
19	---	0.430B	0.026B	0.010	0.004	0.001	0	0	0	0	---	---	19
20	---	0.460B	0.025B	0.010	0.003	0.002	0	0	0	0	---	---	20
21	---	0.490B	0.028B	0.010	0.003	0.002	0	0	0	0	---	---	21
22	---	0.520B	0.030B	0.011	0.003	0.003	0	0	0	0	---	---	22
23	---	0.544B	0.028B	0.011	0.010	0.003	0	0	0	0	---	---	23
24	---	0.222B	0.040	0.011	0.018	0.003	0	0	0	0	---	---	24
25	---	0.201B	0.038	0.010	0.021	0.001	0	0	0	0	---	---	25
26	---	0.181B	0.042	0.010	0.019	0	0	0	0	0	---	---	26
27	---	0.147B	0.036	0.011	0.017	0	0	0	0	0	---	---	27
28	---	0.119B	0.047	0.013	0.015	0	0	0	0	0	---	---	28
29	---		0.048	0.015	0.013	0	0	0	0	0	---	---	29
30	---		0.045	0.016	0.011	0	0	0	0	0	---	---	30
31	---		0.040		0.010		0	0		0		---	31
TOTAL	---	4.014	1.114	0.446	0.307	0.089	0	0	0	0	---	---	TOTAL
MEAN	---	0.143	0.036	0.015	0.010	0.003	0	0	0	0	---	---	MEAN
MAX	---	0.544	0.094	0.038	0.021	0.009	0	0	0	0	---	---	MAX
MIN	---	0	0.003	0.009	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.094B ON MAR 1
MINIMUM DAILY, 0 ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 59 N
LONG 100 23 57 W
DRAINAGE AREA, 75.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	347	AUG	0
MAR	96.2	SEP	0
APR	38.5	OCT	0
MAY	26.5	NOV	---
JUN	7.69	DEC	---

TOTAL DISCHARGE, 169 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

VALLEY RIVER NEAR DAUPHIN - STATION NO. 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.227B	6.41B	1.44	1.74	1.16	0.411	0.129	0.047	---	---	1
2	---	---	0.231B	5.41B	1.51	1.78	1.14	0.414	0.116	0.060	---	---	2
3	---	---	0.235B	4.40B	1.59	1.80	15.9	0.380	0.100	0.062	---	---	3
4	---	---	0.235B	3.90B	1.73	1.63	39.1	0.369	0.081	0.059	---	---	4
5	---	---	0.239B	3.50B	1.60	1.52	14.4	0.367	0.077	0.053	---	---	5
6	---	---	0.239B	3.00B	1.50	1.35	6.26	0.397	0.077	0.046	---	---	6
7	---	---	0.243B	2.80E	1.43	1.27	3.39	0.422	0.070	0.039	---	---	7
8	---	---	0.243B	2.60E	1.55	1.15	2.24	0.425	0.064	0.037	---	---	8
9	---	---	0.248B	2.30E	1.48	1.14	1.64	0.370	0.057	0.033	---	---	9
10	---	---	0.252B	2.18E	1.32	1.08	1.10	0.415	0.049	0.019	---	---	10
11	---	---	0.260B	2.11E	1.23	1.03	0.946	0.352	0.036	0.018	---	---	11
12	---	---	0.281B	2.02E	1.20	0.968	0.775	0.311	0.028	0.031	---	---	12
13	---	---	0.310B	1.96E	1.18	0.879	0.580	0.275	0.022	0.037	---	---	13
14	---	---	0.349B	1.90E	1.11	0.875	0.506	0.255	0.019	0.036	---	---	14
15	---	---	0.376B	1.86A	1.03	0.877	0.544	0.226	0.019	0.033	---	---	15
16	---	---	0.399B	1.68	1.21	0.903	0.510	0.200	0.017	0.031	---	---	16
17	---	---	0.395B	1.60	1.17	0.945	0.512	0.177	0.015	0.038	---	---	17
18	---	---	0.381B	1.29	1.05	1.12	0.472	0.175	0.011	0.037	---	---	18
19	---	---	0.376B	1.40	0.977	1.27	0.492	0.196	0.007	0.028	---	---	19
20	---	---	0.372B	1.33	0.891	1.39	0.520	0.166	0.005	0.027	---	---	20
21	---	---	0.381B	1.38	0.868	1.38	0.535	0.150	0.009	0.029	---	---	21
22	---	---	0.702B	1.33	0.882	1.36	0.497	0.148	0.016	0.028	---	---	22
23	---	---	1.30 B	1.26	1.01	1.37	0.587	0.150	0.019	0.028	---	---	23
24	---	---	2.67 B	1.21	0.990	1.36	0.681	0.122	0.016	0.110	---	---	24
25	---	---	3.31 B	1.20	1.01	1.34	0.692	0.114	0.017	0.122	---	---	25
26	---	---	3.90 B	1.26	1.03	1.24	0.608	0.340	0.054	0.121	---	---	26
27	---	---	4.79 B	1.26	0.972	1.25	0.526	0.303	0.052	0.124	---	---	27
28	---	---	5.50 B	1.26	0.916	1.25	0.470	0.228	0.043	0.232	---	---	28
29	---		6.09 B	1.24	1.56	1.20	0.430	0.166	0.048	0.228	---	---	29
30	---		6.90 B	1.36	2.21	1.14	0.431	0.151	0.068	0.233	---	---	30
31	---		7.19 B		1.95		0.427	0.150		0.268		---	31
TOTAL	---	---	48.624	66.41	39.596	37.607	98.071	8.325	1.341	2.294	---	---	TOTAL
MEAN	---	---	1.57	2.21	1.28	1.25	3.16	0.269	0.045	0.074	---	---	MEAN
MAX	---	---	7.19	6.41	2.21	1.80	39.1	0.425	0.129	0.268	---	---	MAX
MIN	---	---	0.227	1.20	0.868	0.875	0.427	0.114	0.005	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 39.1 ON JUL 4
MINIMUM DAILY, 0.005 ON SEP 20
MAXIMUM INSTANTANEOUS,
48.1 AT 08:44 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 45 N
LONG 100 00 39 W
DRAINAGE AREA, 2 870 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 470
FEB	---	AUG	719
MAR	4 200	SEP	116
APR	5 740	OCT	198
MAY	3 420	NOV	---
JUN	3 250	DEC	---

TOTAL DISCHARGE, 26 100 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO. 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.386B	1.20 B	1.26	1.10	0.558	0.365	0.066	0.040	---	---	1
2	---	---	0.386B	1.05 B	0.995	0.869	35.0	0.453	0.232	0.048	---	---	2
3	---	---	0.386B	0.951B	0.789	0.854	21.5	0.554	0.289	0.079	---	---	3
4	---	---	0.392B	0.879B	0.683	1.21	7.32	0.625	0.138	0.126	---	---	4
5	---	---	0.393B	0.834B	0.730	1.09	3.67	0.655	0.060	0.138	---	---	5
6	---	---	0.393B	0.798B	0.734	0.881	2.36	0.635	0.060	0.084	---	---	6
7	---	---	0.393B	0.780B	0.703	1.00	1.53	0.572	0.071	0.029	---	---	7
8	---	---	0.400B	0.762B	0.630	0.618	0.925	0.555	0.045	0.037	---	---	8
9	---	---	0.400B	0.745B	0.525	0.508	0.624	0.509	0.052	0.044	---	---	9
10	---	---	0.407B	0.727B	0.470	0.622	0.250	0.506	0.092	0.050	---	---	10
11	---	---	0.421B	0.709B	0.485	0.584	0.315	0.501	0.048	0.035	---	---	11
12	---	---	0.463B	0.700B	0.409	0.320	0.432	0.444	0.009	0.047	---	---	12
13	---	---	0.483B	0.691B	0.390	0.306	0.496	0.414	0	0.055	---	---	13
14	---	---	0.504B	0.682B	0.453	0.330	0.510	0.409	0	0.078	---	---	14
15	---	---	0.525B	0.673B	0.409	0.553	0.514	0.380	0	0.073	---	---	15
16	---	---	0.518B	0.736B	0.322	1.28	0.342	0.338	0	0.095	---	---	16
17	---	---	0.483B	0.745B	0.277	1.61	0.109	0.326	0.021	0.106	---	---	17
18	---	---	0.456B	0.762B	0.334	1.39	0.071	0.311	0.030	0.073	---	---	18
19	---	---	0.442B	0.736B	0.379	1.15	0.042	0.471	0	0.063	---	---	19
20	---	---	0.442B	0.718B	0.312	0.771	0.017	0.406	0	0.062	---	---	20
21	---	---	0.456B	0.682B	0.405	0.450	0.031	0.324	0	0.070	---	---	21
22	---	---	0.504B	0.647	0.303	0.332	0.049	0.218	0	0.062	---	---	22
23	---	---	0.602B	0.675	0.250	0.330	0.060	0.179	0	0.060	---	---	23
24	---	---	0.692B	0.691	0.273	0.332	0.077	0.055	0	0.099	---	---	24
25	---	---	0.807B	0.614	0.418	0.464	0.163	0.062	0	0.208	---	---	25
26	---	---	0.942B	0.689	0.593	0.478	0.193	0.057	0.004	0.249	---	---	26
27	---	---	1.10 B	0.854	0.787	0.448	0.210	0.039	0.009	0.264	---	---	27
28	---	---	1.30 B	0.862	0.876	0.205	0.342	0.035	0.018	0.251	---	---	28
29	---		1.50 B	0.934	1.10	0.064	0.393	0.050	0.026	0.234	---	---	29
30	---		1.54 B	1.20	1.77	0.034	0.384	0.045	0.034	0.216	---	---	30
31	---		1.40 B		1.45		0.366	0.064		0.186		---	31
TOTAL	---	---	19.516	23.726	19.474	20.183	78.853	10.557	1.304	3.261	---	---	TOTAL
MEAN	---	---	0.630	0.791	0.628	0.673	2.54	0.341	0.043	0.105	---	---	MEAN
MAX	---	---	1.54	1.20	1.77	1.61	35.0	0.655	0.289	0.264	---	---	MAX
MIN	---	---	0.386	0.614	0.250	0.034	0.017	0.035	0	0.029	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.722
MAXIMUM DAILY, 35.0 ON JUL 2
MINIMUM DAILY, 0 ON SEP 13
MAXIMUM INSTANTANEOUS,
58.9 AT 12:49 CST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA, 1 720 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 810
FEB	---	AUG	912
MAR	1 690	SEP	113
APR	2 050	OCT	282
MAY	1 680	NOV	---
JUN	1 740	DEC	---

TOTAL DISCHARGE, 15 300 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO. 05LJ046

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	388.291	388.167	388.353	388.511	388.391	388.528	388.420	388.308	388.274	388.408	388.393	388.350	1
2	388.288	388.162	388.349	388.518	388.394	388.485	388.410	388.319	388.275	388.406	388.393	388.349	2
3	388.288	388.160	388.349	388.491	388.398	388.449	388.403	388.322	388.272	388.403	388.388	388.348	3
4	388.290	388.157	388.349	388.467	388.398	388.425	388.398	388.325	388.270	388.403	388.384	388.346	4
5	388.293	388.157	388.348	388.460	388.395	388.417	388.396	388.327	388.271	388.404	388.380	388.344	5
6	388.290	388.156	388.349	388.469	388.391	388.412	388.392	388.332	388.274	388.375	388.377	388.343	6
7	388.286	388.158	388.349	388.462	388.388	388.399	388.392	388.335	388.276	388.304	388.373	388.343	7
8	388.282	388.157	388.348	388.447	388.383	388.392	388.380	388.328	388.276	388.305	388.367	388.341	8
9	388.283	388.155	388.347	388.438	388.376	388.388	388.371	388.325	388.278	388.307	388.363	388.341	9
10	388.280	388.155	388.344	388.439	388.372	388.392	388.366	388.338	388.277	388.306	388.367	388.342	10
11	388.272	388.154	388.343	388.423	388.383	388.387	388.360	388.337	388.275	388.305	388.365	388.342	11
12	388.265	388.151	388.345	388.424	388.371	388.385	388.363	388.325	388.271	388.307	388.363	388.341	12
13	388.257	388.148	388.347	388.426	388.364	388.380	388.365	388.315	388.265	388.313	388.362	388.337	13
14	388.249	388.147	388.355	388.415	388.359	388.381	388.356	388.303	388.260	388.318	388.361	388.329	14
15	388.241	388.148	388.366	388.415	388.356	388.492	388.353	388.292	388.257	388.323	388.364	388.296	15
16	388.230	388.147	388.376	388.413	388.350	388.643	388.361	388.287	388.254	388.324	388.362	388.258	16
17	388.220	388.150	388.377	388.413	388.350	388.594	388.375	388.283	388.251	388.325	388.361	388.250	17
18	388.214	388.157	388.374	388.411	388.351	388.632	388.377	388.272	388.252	388.332	388.360	388.251	18
19	388.208	388.177	388.373	388.410	388.352	388.617	388.369	388.267	388.251	388.338	388.355	388.250	19
20	388.200	388.210	388.380	388.402	388.352	388.563	388.363	388.267	388.247	388.341	388.354	388.253	20
21	388.194	388.242	388.379	388.400	388.353	388.505	388.360	388.272	388.245	388.340	388.355	388.254	21
22	388.193	388.261	388.375	388.403	388.369	388.475	388.326	388.277	388.242	388.339	388.356	388.255	22
23	388.188	388.287	388.369	388.402	388.435	388.470	388.316	388.289	388.242	388.340	388.356	388.257	23
24	388.186	388.311	388.365	388.391	388.502	388.530	388.319	388.314	388.241	388.340	388.356	388.258	24
25	388.183	388.326	388.364	388.384	388.523	388.513	388.319	388.335	388.240	388.335	388.354	388.259	25
26	388.183	388.342	388.374	388.390	388.509	388.477	388.319	388.348	388.288	388.341	388.354	388.260	26
27	388.179	388.353	388.388	388.393	388.475	388.461	388.312	388.352	388.346	388.344	388.354	388.261	27
28	388.175	388.354	388.432	388.390	388.444	388.444	388.309	388.324	388.381	388.348	388.352	388.261	28
29	388.168		388.505	388.386	388.562	388.435	388.302	388.283	388.385	388.353	388.347	388.261	29
30	388.165		388.550	388.388	388.642	388.424	388.304	388.275	388.395	388.360	388.348	388.264	30
31	388.167		388.540		388.587		388.307	388.274		388.380		388.263	31
MEAN	388.233	388.202	388.379	388.426	388.415	388.470	388.357	388.308	388.278	388.344	388.364	388.297	MEAN
MAX	388.293	388.354	388.550	388.518	388.642	388.643	388.420	388.352	388.395	388.408	388.393	388.350	MAX
MIN	388.165	388.147	388.343	388.384	388.350	388.380	388.302	388.267	388.240	388.304	388.347	388.250	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 388.340
MAXIMUM DAILY, 388.643 ON JUN 16
MINIMUM DAILY, 388.147 ON FEB 14
MAXIMUM INSTANTANEOUS,
388.666 AT 22:26 CST ON MAY 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

REGULATED SINCE 1979

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER NEAR DAUPHIN - STATION NO. 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.160B	2.05B	1.11	5.54	1.03	0.002	0	0.338	---	---	1
2	---	---	0.170B	2.00B	1.26	3.94	0.878	0.011	0	0.323	---	---	2
3	---	---	0.180B	1.95B	1.27	2.88	0.728	0.033	0	0.320	---	---	3
4	---	---	0.191B	1.90B	1.32	2.13	0.617	0.033	0	0.130	---	---	4
5	---	---	0.200B	2.40B	1.27	1.76	0.538	0.076	0	0.175	---	---	5
6	---	---	0.215B	2.34B	1.25	1.55	0.448	0.156	0.001	0.196	---	---	6
7	---	---	0.230B	2.28B	1.22	1.37	0.377	0.118	0.006	0.208	---	---	7
8	---	---	0.245B	2.22A	1.13	1.18	0.231	0.097	0.008	0.253	---	---	8
9	---	---	0.260B	2.01	0.987	1.11	0.136	0.047	0.010	0.309	---	---	9
10	---	---	0.275B	1.90	0.901	0.987	0.173	0.108	0.015	0.267	---	---	10
11	---	---	0.260B	1.74	0.831	0.940	0.211	0.050	0.007	0.269	---	---	11
12	---	---	0.245B	1.47	0.974	0.875	0.221	0.019	0	0.279	---	---	12
13	---	---	0.230B	1.58	0.891	0.761	0.236	0.012	0	0.314	---	---	13
14	---	---	0.215B	1.54	0.731	0.741	0.270	0.030	0	0.374	---	---	14
15	---	---	0.250B	1.45	0.640	1.11	0.366	0.037	0	0.357	---	---	15
16	---	---	0.300B	1.42	0.547	7.51	0.378	0.042	0	0.381	---	---	16
17	---	---	0.280B	1.38	0.491	7.82	0.302	0.052	0	0.464	---	---	17
18	---	---	0.260B	1.37	0.466	8.79	0.288	0.061	0	0.472	---	---	18
19	---	---	0.300B	1.32	0.487	8.93	0.323	0.046	0	0.483	---	---	19
20	---	---	0.350B	1.29	0.490	6.70	0.304	0.036	0	0.584	---	---	20
21	---	---	0.400B	1.32	0.530	4.25	0.255	0.015	0	0.530	---	---	21
22	---	---	0.500B	1.23	0.767	3.18	0.235	0.002	0	0.521	---	---	22
23	---	---	0.642B	1.24	1.02	3.01	0.221	0	0	0.523	---	---	23
24	---	---	1.50 B	1.15	3.18	5.42	0.209	0	0	0.522	---	---	24
25	---	---	1.70 B	1.09	4.60	4.99	0.199	0	0	0.515	---	---	25
26	---	---	1.80 B	1.07	4.47	3.10	0.190	0	0.156	0.483	---	---	26
27	---	---	1.90 B	1.08	3.55	2.25	0.163	0	0.019	0.435	---	---	27
28	---	---	1.95 B	1.10	2.74	1.79	0.079	0	0	0.426	---	---	28
29	---		2.00 B	1.10	3.29	1.45	0.043	0	0	0.433	---	---	29
30	---		2.05 B	1.10	10.7	1.25	0.044	0	0.202	0.431	---	---	30
31	---		2.10 B		8.30		0.046	0		0.473		---	31
TOTAL	---	---	21.358	47.09	61.413	97.314	9.739	1.083	0.424	11.788	---	---	TOTAL
MEAN	---	---	0.689	1.57	1.98	3.24	0.314	0.035	0.014	0.380	---	---	MEAN
MAX	---	---	2.10	2.40	10.7	8.93	1.03	0.156	0.202	0.584	---	---	MAX
MIN	---	---	0.160	1.07	0.466	0.741	0.043	0	0	0.130	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.02
MAXIMUM DAILY, 10.7 ON MAY 30
MINIMUM DAILY, 0 ON AUG 23
MAXIMUM INSTANTANEOUS,
11.2 AT 11:57 CST ON MAY 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 673 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1979

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	841
FEB	---	AUG	93.6
MAR	1 850	SEP	36.6
APR	4 070	OCT	1 020
MAY	5 310	NOV	---
JUN	8 410	DEC	---

TOTAL DISCHARGE, 21 600 dam³

WASKADA CREEK NEAR CRANMER - STATION NO. 05WF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.500B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.400B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0.300B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.200B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.100B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.070B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.040B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.030B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.020B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.013B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.012B	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.011B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.010B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.009B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.008B	0	0	0	0	0	0	0	---	---	15
16	---	0.001B	0.007B	0	0	0	0	0	0	0	---	---	16
17	---	0.005B	0.006B	0	0	0	0	0	0	0	---	---	17
18	---	0.050B	0.005B	0	0	0	0	0	0	0	---	---	18
19	---	0.100B	0.004	0	0	0	0	0	0	0	---	---	19
20	---	0.200B	0.004	0	0	0	0	0	0	0	---	---	20
21	---	0.400B	0.001	0	0	0	0	0	0	0	---	---	21
22	---	0.800B	0	0	0	0	0	0	0	0	---	---	22
23	---	1.12 B	0	0	0	0	0	0	0	0	---	---	23
24	---	1.00 B	0	0	0	0	0	0	0	0	---	---	24
25	---	0.900B	0	0	0	0	0	0	0	0	---	---	25
26	---	0.800B	0	0	0	0	0	0	0	0	---	---	26
27	---	0.700B	0	0	0	0	0	0	0	0	---	---	27
28	---	0.600B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	6.676	1.750	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0.238	0.056	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	1.12	0.500	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.500B ON MAR 1
MINIMUM DAILY, 0 ON MAR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 42 50 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	577	AUG	0
MAR	151	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 151 dam³

REMARKS - MAXIMUM AND MINIMUM DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

WATERHEN LAKE AT SKOWNAN - STATION NO. 05LH008

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	251.744	251.653	---	---	251.748	251.898	251.912	251.843	251.672	251.602	251.643	251.625E	1
2	251.740	251.657	---	---	251.783	251.896	251.969	251.855	251.672	251.519	251.639	251.625E	2
3	251.735	251.659	---	---	251.792	251.889	251.958	251.843	251.729	251.664	251.646	251.625E	3
4	251.733	251.665	251.624A	---	251.797	251.894	251.946	251.837	251.641	251.675	251.653	251.624E	4
5	251.732	251.671	---	---	251.807	251.924	251.966	251.851	251.676	251.678	251.651	251.624E	5
6	251.726	251.674	---	---	251.817	251.904	251.932	251.863	251.697	251.662	251.639	251.624E	6
7	251.723	251.676	--	---	251.829	251.920	251.950	251.854	251.631	251.646	251.689	251.624E	7
8	251.724A	251.678	---	---	251.895	251.917	251.918	251.855	251.617	251.648	251.664	251.624E	8
9	251.727E	251.679E	---	---	251.824	251.926	251.929	251.813	251.649	251.659	251.606	251.624A	9
10	251.727E	251.679E	---	---	251.822	251.918	251.934	251.810	251.638	251.656	251.637	251.628E	10
11	251.725E	251.679E	---	---	251.843	251.920	251.927	251.818	251.631	251.665	251.616	251.632A	11
12	251.723E	251.679E	---	---	251.858	251.908	251.925	251.806	251.635	251.668	251.620	251.633E	12
13	251.720E	251.679E	---	---	251.865	251.938	251.922	251.796	251.639	251.697	251.627	251.634A	13
14	251.718E	251.678E	---	---	251.901	251.953	251.914	251.794	251.640	251.702	251.627	251.639E	14
15	251.711E	251.674E	---	---	251.910	251.967	251.892	251.771	251.634	251.693	251.631	251.644A	15
16	251.701E	251.673E	---	---	251.872	251.911	251.924	251.736	251.597	251.681	251.653	251.644E	16
17	251.692E	251.671E	---	---	251.861	251.976	251.917	251.770	251.581	251.769	251.649	251.644A	17
18	251.682E	251.669E	---	---	251.866	252.008	251.901	251.752	251.609	251.695	251.654	251.645E	18
19	251.667E	251.667E	---	---	251.867	251.945	251.917	251.773	251.606	251.690	251.629	251.646A	19
20	251.654E	251.663E	---	---	251.878	251.971	251.903	251.765	251.584	251.713	251.623	251.647E	20
21	251.642E	251.660E	---	---	251.891	251.964	251.873	251.753	251.584	251.662	251.622	251.648A	21
22	251.636E	251.659E	---	---	251.984	251.947	251.853	251.755	251.558	251.684	251.621	251.646E	22
23	251.631E	251.654E	---	---	251.942	251.930	251.854	251.759	251.579	251.630	251.619	251.644A	23
24	251.630E	251.651E	---	---	251.898	251.994	251.920	251.749	251.604	251.660	251.620	251.643E	24
25	251.630E	251.650E	---	---	251.895	252.014	251.870	251.744	251.592	251.643	251.621	251.642A	25
26	251.630E	251.648E	---	---	251.884	251.958	251.852	251.740	251.813	251.648	251.623	251.641E	26
27	251.632A	251.642E	---	---	251.884	251.978	251.831	251.719	251.691	251.643	251.625	251.640A	27
28	251.634	251.635E	---	---	251.913	251.971	251.798	251.682	251.612	251.638	251.625	251.639E	28
29	251.640		---	251.727A	251.945	251.954	251.847	251.694	251.621	251.634	251.625E	251.638A	29
30	251.646		---	251.744	251.898	251.908	251.871	251.709	251.629	251.636	251.625E	251.635E	30
31	251.651		---		251.897		251.856	251.784		251.638		251.632A	31
MEAN	251.687	251.665	---	---	251.867	251.940	251.903	251.784	251.635	251.661	251.634	251.636	MEAN
MAX	251.744	251.679	---	---	251.984	252.014	251.969	251.863	251.813	251.769	251.689	251.648	MAX
MIN	251.630	251.635	---	---	251.748	251.889	251.798	251.682	251.558	251.519	251.606	251.624	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 252.014 ON JUN 25

MAXIMUM INSTANTANEOUS,
252.268 AT 23:30 CST ON JUN 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 20 N
LONG 99 35 20 W

A - MANUAL GAUGE

E - ESTIMATED

WATERHEN RIVER NEAR WATERHEN - STATION NO. 05LH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.8B	15.7 B	1.02B	21.7B	56.3	70.9	57.4	47.9	26.1	17.1	20.2	33.9B	1
2	21.3B	14.8 B	1.21B	22.6B	60.8	69.8	63.2	48.4	13.0	2.21	18.3	32.6B	2
3	21.0B	13.4 B	1.47B	23.7B	66.9	67.5	67.6	46.7	37.5	14.9	19.6	31.4B	3
4	20.8B	12.1 B	1.77B	24.7B	66.2	66.0	60.9	45.1	21.0	22.0	23.1	30.0B	4
5	20.6B	11.0 B	1.97B	25.4B	66.4	74.0	68.8	46.6	19.3	21.9	19.5	29.1B	5
6	20.7B	1.79 B	2.29B	24.5B	66.7	71.3	58.7	51.4	30.7	19.9	19.5	28.3B	6
7	20.7B	1.45 B	2.62B	26.3B	67.7	71.1	62.8	49.0	28.4	15.3	32.1	27.2B	7
8	20.2B	1.19 B	3.07B	27.5B	82.3	74.4	60.5	51.3	24.7	13.4	12.6	26.4B	8
9	20.1B	0.892B	3.48B	28.7B	70.7	72.8	60.4	44.9	24.7	16.4	19.8	25.1B	9
10	19.7B	0.725B	3.72B	33.0B	64.8	73.2	62.8	42.1	22.9	16.9	16.5	24.5B	10
11	19.1B	0.504B	4.14B	30.4B	67.7	72.6	62.2	43.1	25.1	18.6	15.0	23.1B	11
12	18.9B	0.356B	4.91B	32.6B	71.1	68.1	60.7	44.4	23.3	12.2	17.3	22.4B	12
13	19.0B	0.262B	5.22B	34.2B	72.5	71.5	60.7	40.4	25.3	17.3	17.6	22.6B	13
14	19.2B	0.200B	5.85B	36.7B	73.8	76.5	59.9	43.0	25.7	21.0	17.5	22.2B	14
15	19.4B	0.180B	6.89B	35.2B	84.9	85.5	56.1	39.2	26.4	20.5	20.9	22.0B	15
16	19.5B	0.173B	7.60B	36.7	74.3	66.7	59.8	31.9	22.2	16.7	22.6	21.6B	16
17	18.9B	0.180B	8.38B	45.6	70.7	72.5	61.0	36.7	16.2	32.3	43.3B	20.8B	17
18	18.6B	0.194B	8.60B	41.0	70.0	103	57.0	36.1	20.7	29.3	43.6B	20.5B	18
19	18.9B	0.214B	9.12B	42.0	67.5	68.3	56.4	37.0	21.1	19.1	43.6B	19.2B	19
20	19.2B	0.228B	9.78B	37.5	68.4	74.7	59.5	37.8	17.3	28.1	43.6B	18.1B	20
21	18.8B	0.249B	10.4 B	39.1	70.3	73.5	51.9	35.7	16.8	21.1	43.5B	18.6B	21
22	19.0B	0.316B	10.6 B	50.8	89.4	70.4	47.1	34.7	13.8	22.2	43.1B	18.7B	22
23	19.4B	0.383B	10.8 B	48.4	87.3	63.5	45.6	36.0	12.8	13.1	42.6B	17.7B	23
24	19.8B	0.423B	11.5 B	47.4	76.9	75.8	63.7	35.4	17.9	17.0	41.7B	16.6B	24
25	20.2B	0.477B	13.0 B	46.7	74.4	84.3	54.9	34.5	14.4	22.9	40.9B	16.0B	25
26	20.8B	0.517B	13.6 B	52.1	69.8	69.8	49.9	35.0	40.4	16.5	40.0B	15.2B	26
27	21.1B	0.490B	14.4 B	54.0	68.4	69.3	46.3	32.0	52.5	18.3	38.3B	14.8B	27
28	19.7B	0.762B	16.5 B	53.6	71.2	72.6	37.0	25.9	18.7	17.6	36.6B	14.5B	28
29	18.5B		17.1 B	58.2	85.1	68.2	44.6	23.4	18.5	17.8	35.7B	13.4B	29
30	17.0B		18.6 B	61.4	73.4	54.0	52.5	30.0	19.4	19.1	34.9B	12.7B	30
31	16.1B		20.2 B		70.7		52.0	44.5		19.4		12.0B	31
TOTAL	607.0	79.155	249.81	1 141.7	2 226.6	2 171.8	1 761.9	1 230.1	696.8	580.11	883.5	671.2	TOTAL
MEAN	19.6	2.83	8.06	38.1	71.8	72.4	56.8	39.7	23.2	18.7	29.5	21.7	MEAN
MAX	21.3	15.7	20.2	61.4	89.4	103	68.8	51.4	52.5	32.3	43.6	33.9	MAX
MIN	16.1	0.173	1.02	21.7	56.3	54.0	37.0	23.4	12.8	2.21	12.6	12.0	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.7
MAXIMUM DAILY, 103 ON JUN 18
MINIMUM DAILY, 0.173B ON FEB 16
MAXIMUM INSTANTANEOUS,
135 AT 04:15 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 99 32 50 W
DRAINAGE AREA, 55 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	52 400	JUL	152 000
FEB	6 840	AUG	106 000
MAR	21 600	SEP	60 200
APR	98 600	OCT	50 100
MAY	192 000	NOV	76 300
JUN	188 000	DEC	58 000

TOTAL DISCHARGE, 1 060 000 dam³

WEAVER LAKE AT OUTLET - STATION NO. 05RE002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.054	27.947	27.920	27.853	28.067	28.500	---	---	---	27.948	---	---	1
2	28.046	27.942	27.912	27.860	28.098	28.505	---	---	---	27.947	---	---	2
3	28.043	27.945	27.912	27.864	28.113	28.511	---	---	---	27.940	---	---	3
4	28.040	27.936	27.906	27.869	28.140	28.511	---	---	---	27.951	---	---	4
5	28.048	27.940	27.903	27.872	28.159	28.493	29.080A	---	---	27.932	---	---	5
6	28.044	27.939	27.900	27.871	28.184	28.521	---	---	---	27.934	---	---	6
7	28.037	27.938	27.901	27.872	28.211	28.530	---	---	---	27.926	---	---	7
8	28.037	27.930	27.895	27.878	28.234	28.506	---	---	---	27.926	---	---	8
9	28.032	27.930	27.894	27.881	28.231	28.498	---	---	---	27.941	---	---	9
10	28.033	27.925	27.891	27.882	28.260	28.487	---	---	---	27.982	---	---	10
11	28.030	27.918	27.891	27.887	28.277	28.506	---	---	---	27.977	---	---	11
12	28.037	27.922	27.883	27.889	28.299	28.525	---	---	---	27.958	---	---	12
13	28.038	27.928	27.883	27.889	28.314	28.541	---	---	---	27.966	---	---	13
14	28.037	27.934	27.887	27.893	28.329	28.544	---	---	---	27.979	---	---	14
15	28.036	27.946	27.878	27.897	28.358	28.556	---	---	---	27.961	---	---	15
16	28.030	27.948	27.871	27.900	28.350	28.570	---	---	---	27.977	---	---	16
17	28.032	27.948	27.863	27.907	28.342	28.611	---	---	---	28.002	---	---	17
18	28.024	27.951	27.860	27.915	28.344	28.605	---	---	---	28.017	---	---	18
19	28.018	27.950	27.859	27.922	28.343	28.670A	---	---	---	28.015A	---	---	19
20	28.013	27.947	27.858	27.918	28.348	---	---	---	---	---	---	---	20
21	28.012	27.945	27.858	27.927	28.355	---	---	---	---	---	---	---	21
22	28.009	27.945	27.850	27.931	28.383	---	---	---	---	---	---	---	22
23	28.003	27.944	27.848	27.939	28.410	---	---	---	---	---	---	---	23
24	28.003	27.937	27.851	27.945	28.419	---	---	---	---	---	---	---	24
25	27.996	27.936	27.846	27.960	28.433	---	---	---	---	---	---	---	25
26	27.979	27.928	27.841	27.975	28.435	---	---	---	---	---	---	---	26
27	27.978	27.926	27.841	27.988	28.444	---	---	---	---	---	---	---	27
28	27.973	27.925	27.847	28.008	28.459	---	---	---	---	---	---	---	28
29	27.963		27.850	28.029	28.470	---	---	---	27.950A	---	---	---	29
30	27.963		27.848	28.048	28.476	---	---	---	27.946	---	---	---	30
31	27.958		27.853		28.494		---	---		---		---	31
MEAN	28.018	27.938	27.874	27.916	28.315	---	---	---	---	---	---	---	MEAN
MAX	28.054	27.951	27.920	28.048	28.494	---	---	---	---	---	---	---	MAX
MIN	27.958	27.918	27.841	27.853	28.067	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.080A ON JUL 5

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 96 45 10 W

A - MANUAL GAUGE

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO. 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.41B	1.84B	1.42 B	0.963B	1.25B	53.0	18.6	33.2	8.78	8.04	9.34B	2.57B	1
2	2.38B	1.81B	1.39 B	0.963B	1.36B	50.7	17.7	29.9	9.16	7.96	8.76B	2.53B	2
3	2.35B	1.78B	1.39 B	0.934B	1.42B	46.5	16.3	27.0	9.31	8.37	8.20B	2.47B	3
4	2.32B	1.76B	1.36 B	0.934B	1.61B	44.4	16.0	26.0	9.13	8.22	7.49B	2.43B	4
5	2.29B	1.73B	1.36 B	0.906B	1.73B	41.5	15.3	27.3	9.26	8.25	7.07B	2.38B	5
6	2.29B	1.73B	1.33 B	0.906B	1.87B	39.7	13.6	27.5	8.93	8.51	6.60B	2.33B	6
7	2.27B	1.70B	1.33 B	0.906B	2.04B	39.8	13.4	26.2	8.65	9.11	6.22B	2.29B	7
8	2.27B	1.70B	1.30 B	0.878B	2.24B	38.6	12.9	25.1	8.63	9.38	5.87B	2.27B	8
9	2.27B	1.67B	1.27 B	0.878B	2.52B	38.6	12.8	23.6	8.66	9.68	5.56B	2.22B	9
10	2.24B	1.67B	1.25 B	0.878B	2.78B	38.3	12.1	21.9	8.68	9.61	5.26B	2.19B	10
11	2.24B	1.67B	1.22 B	0.878B	6.09B	38.0	11.1	20.2	9.23	10.0	5.00B	2.16B	11
12	2.21B	1.64B	1.22 B	0.850B	15.0 B	37.5	10.5	18.5	8.80	11.0	4.84B	2.12B	12
13	2.21B	1.64B	1.19 B	0.850B	24.9 B	37.2	10.2	16.7	9.05	13.5	4.56B	2.11B	13
14	2.18B	1.61B	1.19 B	0.850B	34.6 B	36.0	9.20	16.2	8.95	19.9	4.33B	2.07B	14
15	2.18B	1.61B	1.16 B	0.850B	43.9 B	34.3	8.97	16.3	8.94	30.5	4.17B	2.03B	15
16	2.15B	1.59B	1.16 B	0.850B	58.6 B	32.8	8.66	15.3	9.05	41.1	3.95B	2.01B	16
17	2.12B	1.59B	1.16 B	0.850B	72.8 B	32.1	8.56	14.7	9.29	49.8	3.81B	1.98B	17
18	2.12B	1.56B	1.13 B	0.850B	90.9 B	30.4	8.16	14.2	9.15	52.5	3.66B	1.97B	18
19	2.10B	1.53B	1.13 B	0.850B	108 B	31.9	7.65	13.0	8.96	51.8	3.51B	1.95B	19
20	2.10B	1.50B	1.13 B	0.850B	113 B	32.5	7.57	12.0	8.46	41.4	3.38B	1.93B	20
21	2.09B	1.47B	1.10 B	0.878B	114 B	31.3	6.97	11.0	8.14	39.8	3.30B	1.92B	21
22	2.07B	1.47B	1.08 B	0.906B	114 B	30.0	6.59	10.5	8.30	33.6	3.18B	1.92B	22
23	2.04B	1.44B	1.06 B	0.934B	113 B	28.0	6.98	9.76	8.92	29.7	3.09B	1.91B	23
24	2.01B	1.44B	1.05 B	0.934B	111 E	27.1	8.69	9.47	8.43	24.9 B	3.01B	1.90B	24
25	2.01B	1.44B	1.05 B	0.934B	104 E	24.6	13.5	9.29	8.18	20.6 B	2.96B	1.90B	25
26	1.98B	1.44B	1.02 B	0.963B	97.7 A	22.4	28.1	8.85	8.07	17.7 B	2.88B	1.87B	26
27	1.95B	1.44B	1.02 B	0.991B	86.7	21.8	39.5	8.47	7.63	15.8 B	2.81B	1.86B	27
28	1.93B	1.42B	1.02 B	1.02 B	74.8	20.2	42.2	8.39	7.97	13.9 B	2.74B	1.85B	28
29	1.90B		0.991B	1.08 B	66.5	20.3	39.9	7.93	7.50	12.3 B	2.70B	1.84B	29
30	1.87B		0.991B	1.13 B	60.2	20.5	37.5	7.20	7.69	11.1 B	2.62B	1.84B	30
31	1.84B		0.963B		56.0		35.1	7.84		9.84B		1.84B	31
TOTAL	66.39	44.89	36.435	27.444	1 584.51	1 020.0	504.30	523.50	259.90	637.87	140.87	68.66	TOTAL
MEAN	2.14	1.60	1.18	0.915	51.1	34.0	16.3	16.9	8.66	20.6	4.70	2.09	MEAN
MAX	2.41	1.84	1.42	1.13	114	53.0	42.2	33.2	9.31	52.5	9.34	2.57	MAX
MIN	1.84	1.42	0.963	0.850	1.25	20.2	6.59	7.20	7.50	7.96	2.62	1.84	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.5
MAXIMUM DAILY, 114B ON MAY 21
MINIMUM DAILY, 0.850B ON APR 12

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 20 N
LONG 93 19 45 W
DRAINAGE AREA, 2 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 740	JUL	43 600
FEB	3 880	AUG	45 200
MAR	3 150	SEP	22 500
APR	2 370	OCT	55 100
MAY	137 000	NOV	12 200
JUN	88 100	DEC	5 590

TOTAL DISCHARGE, 424 000 dam³

WEKUSKO LAKE AT BERRY BAY WHARF - STATION NO. 05TB003

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.982	254.919	254.902	254.873	254.864	255.079	255.189	255.034	254.865	254.730	254.864	---	1
2	254.978	254.918	254.898	254.881	254.880	255.069	255.196	255.030	254.854	254.729	254.869	---	2
3	254.972	254.916	254.904	254.876	254.890	255.072	255.203	255.033	254.847	254.723	254.881	---	3
4	254.975	254.916	254.903	254.878	254.901	255.067	255.197	255.033	254.848	254.716	254.879	---	4
5	254.982	254.918	254.897	254.877	254.915	255.064	255.187	255.033	254.841	254.712	254.884	---	5
6	254.970	254.915	254.898	254.872	254.928	255.065	255.188	255.029	254.833	254.710	254.893	---	6
7	254.966	254.910	254.899	254.879	254.945	255.064	255.192	255.008	254.819	254.724	254.883	---	7
8	254.968	254.906	254.899	254.878	254.953	255.073	255.164	255.006	254.816	254.743	254.884	---	8
9	254.962	254.906	254.900	254.875	254.971	255.067	255.155	254.994	254.818	254.762	254.901	---	9
10	254.959	254.903	254.901	254.871	254.987	255.061	255.158	254.993	254.811	254.771	254.913	---	10
11	254.963	254.901	254.898	254.874	255.003	255.071	255.150	254.980	254.800	254.816	254.916	---	11
12	254.963	254.902	254.894	254.869	255.017	255.071	255.146	254.972	254.794	254.847	254.919	---	12
13	254.960	254.903	254.894	254.865	255.028	255.073	255.140	254.953	254.793	254.872	254.923	---	13
14	254.962	254.908	254.900	254.867	255.024	255.067	255.141	254.952	254.792	254.858	254.924	---	14
15	254.956	254.918	254.890	254.869	255.031	255.067	255.129	254.952	254.780	254.865	254.924	---	15
16	254.962	254.916	254.883	254.864	255.039	255.063	255.121	254.946	254.779	254.901	254.923	---	16
17	254.962	254.912	254.879	254.857	255.049	255.062	255.117	254.943	254.776	254.855	254.928	---	17
18	254.958	254.914	254.882	254.854	255.058	255.074	255.101	254.938	254.769	254.831	254.931	---	18
19	254.949	254.908	254.886	254.851	255.066	255.090	255.087	254.934	254.765	254.841	254.932A	---	19
20	254.951	254.914	254.884	254.847	255.076	255.092	255.081	254.934	254.760	254.800	254.936E	---	20
21	254.955	254.918	254.883	254.851	255.082	255.091	255.078	254.932	254.752	254.808	254.939E	---	21
22	254.952	254.914	254.883	254.847	255.080	255.097	255.072	254.928	254.752	254.789	254.943E	---	22
23	254.947	254.909	254.883	254.849	255.085	255.098	255.076	254.915	254.728	254.806	254.946A	---	23
24	254.946	254.915	254.882	254.843	255.091	255.116	255.072	254.915	254.724	254.792	254.946E	---	24
25	254.940	254.908	254.883	254.850	255.093	255.153	255.066	254.907	254.728	254.805	254.947E	---	25
26	254.934	254.909	254.880	254.854	255.097	255.165	255.071	254.902	254.730	254.815	254.947E	---	26
27	254.932	254.907	254.878	254.856	255.098	255.170	255.070	254.897	254.736	254.823	254.948E	---	27
28	254.920	254.907	254.876	254.853	255.098	255.181	255.060	254.900	254.733	254.835	254.948E	---	28
29	254.920		254.869	254.855	255.085	255.182	255.047	254.880	254.729	254.839	254.948E	---	29
30	254.920		254.870	254.856	255.084	255.187	255.042	254.870	254.738	254.844	254.949E	254.961A	30
31	254.922		254.878		255.084		255.034	254.859		254.860		---	31
MEAN	254.954	254.911	254.889	254.863	255.019	255.095	255.120	254.955	254.784	254.801	254.919	---	MEAN
MAX	254.982	254.919	254.904	254.881	255.098	255.187	255.203	255.034	254.865	254.901	254.949	---	MAX
MIN	254.920	254.901	254.869	254.843	254.864	255.061	255.034	254.859	254.724	254.710	254.864	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 255.203 ON JUL 3

MAXIMUM INSTANTANEOUS,
255.221 AT 10:40 CST ON JUL 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 00 N
LONG 99 58 00 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
5 050 km²

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO. 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.192B	0.388B	0.182	0.202	0.188	0.027	0.194	0.234	---	---	1
2	---	0 B	0.150B	0.344B	0.099	0.165	0.190	0.027	0.136	0.194	---	---	2
3	---	0 B	0.125B	0.281B	0.119	0.143	0.160	0.025	0.086	0.167	---	---	3
4	---	0 B	0.112B	0.249B	0.131	0.140	0.133	0.027	0.077	0.231	---	---	4
5	---	0 B	0.105B	0.246B	0.318	0.253	0.110	0.085	0.063	0.257	---	---	5
6	---	0 B	0.099B	0.213B	0.171	0.277	0.091	0.206	0.086	0.229	---	---	6
7	---	0 B	0.091B	0.173B	0.121	0.292	0.075	0.174	0.095	0.219	---	---	7
8	---	0 B	0.086B	0.161B	0.122	0.263	0.060	0.112	0.088	0.166	---	---	8
9	---	0 B	0.084B	0.163B	0.129	0.242	0.042	0.098	0.081	0.144	---	---	9
10	---	0 B	0.083B	0.143B	0.109	0.247	0.030	0.106	0.079	0.134	---	---	10
11	---	0 B	0.083B	0.122B	0.105	0.222	0.028	0.137	0.068	0.120	---	---	11
12	---	0 B	0.094B	0.105B	0.103	0.197	0.026	0.373	0.060	0.135	---	---	12
13	---	0 B	0.101B	0.107	0.100	0.185	0.019	0.178	0.053	0.218	---	---	13
14	---	0 B	0.125B	0.104	0.094	0.218	0.018	0.099	0.048	0.224	---	---	14
15	---	0.001B	0.148B	0.113	0.092	0.302	0.026	0.077	0.045	0.207	---	---	15
16	---	0.087B	0.172B	0.111	0.096	0.387	0.030	0.068	0.068	0.178	---	---	16
17	---	0.560B	0.184B	0.117	0.093	0.411	0.029	0.062	0.060	0.181	---	---	17
18	---	0.633B	0.186B	0.116	0.084	0.531	0.029	0.062	0.057	0.176	---	---	18
19	---	0.671B	0.188B	0.161	0.076	0.448	0.025	0.057	0.058	0.153	---	---	19
20	---	0.694B	0.190B	0.117	0.094	0.382	0.019	0.054	0.056	0.145	---	---	20
21	---	0.685B	0.189B	0.104	0.082	0.384	0.016	0.055	0.056	0.135	---	---	21
22	---	0.655B	0.191B	0.099	0.068	0.468	0.014	0.054	0.064	0.129	---	---	22
23	---	0.608B	0.198B	0.079	0.118	0.490	0.013	0.070	0.068	0.122B	---	---	23
24	---	0.566B	0.222B	0.128	0.166	0.505	0.006	0.128	0.090	0.124B	---	---	24
25	---	0.459B	0.252B	0.126	0.229	0.454	0.007	0.082	0.096	0.124B	---	---	25
26	---	0.402B	0.285B	0.108	0.257	0.372	0.005	0.070	0.248	0.129	---	---	26
27	---	0.330B	0.325B	0.116	0.227	0.294	0.002	0.085	0.406	0.133	---	---	27
28	---	0.263B	0.370B	0.116	0.215	0.233	0	0.045	0.443	0.137	---	---	28
29	---		0.416B	0.122	0.228	0.221	0	0.030	0.364	0.143	---	---	29
30	---		0.633B	0.171	0.265	0.182	0.013	0.068	0.278	0.147	---	---	30
31	---		0.526B		0.235		0.030	0.101		0.164		---	31
TOTAL	---	6.614	6.205	4.703	4.528	9.110	1.434	2.842	3.671	5.199	---	---	TOTAL
MEAN	---	0.236	0.200	0.157	0.146	0.304	0.046	0.092	0.122	0.168	---	---	MEAN
MAX	---	0.694	0.633	0.388	0.318	0.531	0.190	0.373	0.443	0.257	---	---	MAX
MIN	---	0	0.083	0.079	0.068	0.140	0	0.025	0.045	0.120	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.154
MAXIMUM DAILY, 0.633B ON MAR 30
MINIMUM DAILY, 0 ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 56 50 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	124
FEB	571	AUG	246
MAR	536	SEP	317
APR	406	OCT	449
MAY	391	NOV	---
JUN	787	DEC	---

TOTAL DISCHARGE, 3 260 dam³

REMARKS - MAXIMUN AND MINIMUN DAILY DISCHARGE OCCURRED OUTSIDE THE STANDARD PERIOD

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO. 05PH005

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	343.649	343.626	343.584A	343.666	343.555	343.534	343.676	---	---	1
2	---	---	---	343.647	343.657	343.580	343.640	343.567	343.598	343.724	---	---	2
3	---	---	---	343.645	343.603	343.584	343.616	343.557	343.526	343.720	---	---	3
4	---	---	---	343.644	343.600	343.601	343.622	343.561	343.553	343.699	---	---	4
5	---	---	---	343.643	343.603	343.565	343.623	343.570	343.584	343.689	---	---	5
6	---	---	---	343.644	343.617	343.569	343.642	343.560	343.652	343.684	---	---	6
7	---	---	---	343.645	343.619	343.583	343.655	343.581	343.669	343.720	---	---	7
8	---	---	---	343.642	343.600	343.558	343.591	343.562	343.698	343.752	---	---	8
9	---	---	---	343.634	343.583	343.557	343.592	343.568	343.701	343.739	---	---	9
10	---	---	---	343.624	343.610A	343.553	343.589	343.588	343.707	343.716	---	---	10
11	---	---	---	343.627	343.605E	343.560	343.582	343.589	343.685	343.742	---	---	11
12	---	---	---	343.629	343.599E	343.567	343.583	343.579	343.700	343.763	---	---	12
13	---	---	---	343.616	343.593E	343.571	343.587	343.592	343.682	343.743	---	---	13
14	---	---	---	343.622	343.587E	343.574	343.593	343.563	343.673	343.721	---	---	14
15	---	---	---	343.646	343.581E	343.609	343.600	343.563	343.661	343.728	---	---	15
16	---	---	---	343.641	343.575A	343.609	343.583	343.586	343.671	343.740	---	---	16
17	---	---	---	343.569	343.592	343.669	343.565	343.586	343.681	343.686	---	---	17
18	---	---	---	343.622	343.577	343.573	343.568	343.579	343.673	343.680	---	---	18
19	---	---	---	343.605	343.570	343.628	343.574	343.593	343.659	343.727	---	---	19
20	---	---	---	343.643	343.585	343.626	343.564	343.597	343.670	343.703	---	---	20
21	---	---	---	343.669	343.585	343.629	343.574	343.622	343.676	343.722	---	---	21
22	---	---	---	343.602	343.572	343.623	343.578	343.581	343.701	343.718	---	---	22
23	---	---	---	343.577A	343.571	343.638	343.574	343.578	343.677	343.726	---	---	23
24	---	---	343.608A	343.582E	343.584	343.623	343.558	343.590	343.658	343.732	---	---	24
25	---	---	---	343.586E	343.588	343.611	343.549	343.578	343.685	343.735	---	---	25
26	---	---	---	343.591E	343.604	343.628	343.553	343.561	343.669	343.736	---	---	26
27	---	---	343.654A	343.595E	343.600	343.661	343.558	343.552	343.586	343.733A	---	---	27
28	---	---	343.654	343.600E	343.601	343.622	343.559	343.560	343.654	343.733E	---	---	28
29	---		343.654	343.605E	343.562	343.622	343.567	343.568	343.660	343.733E	---	---	29
30	---		343.652	343.610A	343.580	343.660	343.566	343.576	343.660	343.733E	---	---	30
31	---		343.649		343.595		343.565	343.581		343.733E		---	31
MEAN	---	---	---	343.622	343.594	343.601	343.588	343.576	343.653	343.722	---	---	MEAN
MAX	---	---	---	343.669	343.657	343.669	343.666	343.622	343.707	343.763	---	---	MAX
MIN	---	---	---	343.569	343.562	343.553	343.549	343.552	343.526	343.676	---	---	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MAXIMUM DAILY, 343.763 ON OCT 12
MINIMUM DAILY, 343.526 ON SEP 3
MAXIMUM INSTANTANEOUS,
343.794 AT 13:26 CST ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 40 N
LONG 95 41 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.867B	0.333B	1.12 B	2.50 B	1.03	9.41	24.8	0.761	0.652	17.8	20.8	8.04 B	1
2	0.786B	0.207B	0.789B	2.78 B	1.20	8.97	23.1	0.954	0.660	23.5	21.2	7.79 B	2
3	0.696B	0.131B	0.648B	3.51 B	1.22	8.53	21.1	0.925	0.676	27.3	20.3	7.55 B	3
4	0.637B	0.162B	0.622B	5.62 B	1.26	8.10	18.4	1.02 A	0.649	29.3	19.3	7.38 B	4
5	0.577B	0.096B	0.694B	2.98 B	1.45	7.87	15.6	1.14	0.605	30.7	18.4	6.39 B	5
6	0.335B	0.350B	0.859B	3.36 B	1.52	7.81	13.0	1.17	6.86	31.6	17.7	6.04 B	6
7	0.119B	0.395B	0.743B	3.56 B	1.57	8.19	10.5 A	1.79	15.0	31.3	17.0	7.26 B	7
8	0.062B	0.333B	0.431B	2.89 B	1.49	8.18	9.32 E	2.30	40.5	29.9	16.0	6.67 B	8
9	0.132B	0.260B	0.207B	2.91 B	1.41	7.87	8.10 E	3.25	50.5	28.1	14.8 B	5.78 B	9
10	0.079B	0.142B	0.262B	2.76	1.48	7.44	7.06 E	3.67	52.9	26.8	13.6 B	5.14 B	10
11	0.058B	0.051B	0.503B	2.32	1.38	7.01	6.33 E	3.83	51.0	26.2	13.1	5.04 B	11
12	0.220B	0.009B	1.19 B	1.93	1.30	6.54	5.77 E	3.68	46.3	25.8	12.6	4.84 B	12
13	0.295B	0.023B	1.14 B	1.69	1.25	6.05	5.25 E	3.09	41.3	27.1	12.6	4.29 B	13
14	0.242B	0.084B	1.38 B	1.54	1.17	5.67	5.21 E	2.57	36.2	29.5	12.5	3.82 B	14
15	0.134B	0.153B	1.97 B	1.43	1.11	6.37	5.05 E	2.15	31.9	30.1	12.8	3.45 B	15
16	0.047B	0.196B	1.86 B	1.22	1.04	14.7	4.19 E	1.87	28.3	29.3	13.2	3.17 B	16
17	0.096B	0.244B	1.89 B	1.11	0.961	23.3	3.24 E	1.54	25.2	28.2	13.6	2.71 B	17
18	0.153B	0.287B	1.42 B	1.09	0.932	26.0	2.68 E	1.34	22.5	27.8	13.4	2.20 B	18
19	0.173B	0.371B	1.12 B	1.10	0.919	27.3	2.25 E	1.14	19.7	26.9	12.8 B	1.90 B	19
20	0.183B	0.577B	1.01 B	1.09	0.871	28.1	1.88 E	0.989	16.9	25.7	10.9 B	1.59 B	20
21	0.202B	0.983B	0.836B	1.10	0.841	28.1	1.51 E	0.852	14.8	24.1	13.4 B	1.39 B	21
22	0.280B	1.88 B	0.776B	1.09	0.872	27.4	1.25 E	0.772	13.0	22.5	10.2 B	1.30 B	22
23	0.369B	1.43 B	0.734B	1.10	1.49	26.6	1.06 A	0.720	11.8	20.7	14.7 B	1.24 B	23
24	0.445B	2.48 B	0.759B	1.11	2.68	25.9	0.951	0.704	11.4	19.2	13.1 B	1.17 B	24
25	0.441B	2.39 B	0.879B	1.11	5.24	25.4	0.935	0.696	11.2	16.8	10.0 B	1.07 B	25
26	0.452B	1.84 B	1.05 B	1.00	10.3	24.8	0.961	0.706	11.1	14.0	8.55B	0.984B	26
27	0.442B	3.16 B	1.16 B	0.944	10.6	26.1	0.886	0.820	11.3	18.4	7.37B	0.927B	27
28	0.482B	2.38 B	1.34 B	0.960	10.3	30.6	0.778	0.808	12.6	18.0	7.65B	0.868B	28
29	0.401B		1.50 B	0.953	9.86	27.3	0.648A	0.727	15.0	17.4	7.50B	0.806B	29
30	0.384B		1.65 B	0.963	9.53	25.9	0.535	0.707	15.7	17.8	7.90B	0.737B	30
31	0.366B		2.07 B		9.47		0.560	0.656		19.4		0.682B	31
TOTAL	10.155	20.947	32.612	57.720	95.746	501.51	202.904	47.347	616.202	761.2	406.97	112.224	TOTAL
MEAN	0.328	0.748	1.05	1.92	3.09	16.7	6.55	1.53	20.5	24.6	13.6	3.62	MEAN
MAX	0.867	3.16	2.07	5.62	10.6	30.6	24.8	3.83	52.9	31.6	21.2	8.04	MAX
MIN	0.047	0.009	0.207	0.944	0.841	5.67	0.535	0.656	0.605	14.0	7.37	0.682	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.85
MAXIMUM DAILY, 52.9 ON SEP 10
MINIMUM DAILY, 0.009B ON FEB 12
MAXIMUM INSTANTANEOUS,
53.5 AT 12:00 CST ON SEP 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 00 N
LONG 95 57 10 W
DRAINAGE AREA, 3 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	877	JUL	17 500
FEB	1 810	AUG	4 090
MAR	2 820	SEP	53 200
APR	4 990	OCT	65 600
MAY	8 270	NOV	35 200
JUN	43 300	DEC	9 700

TOTAL DISCHARGE, 248 000 dam³

WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR - STATION NO. 05LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.246B	0.683B	0.466	0.318	0.195	0.134	0.387	0.325	---	---	1
2	---	---	0.241B	0.667B	0.449	0.278	0.164	0.157	0.332	0.313	---	---	2
3	---	---	0.240B	0.583B	0.406	0.256	0.144	0.256	0.283	0.310	---	---	3
4	---	---	0.238B	0.541B	0.377	0.245	0.131	0.398	0.227	0.387	---	---	4
5	---	---	0.237B	0.467B	0.351	0.270	0.125	0.514	0.173	0.408	---	---	5
6	---	---	0.234B	0.455B	0.306	0.257	0.122	0.680	0.144	0.368	---	---	6
7	---	---	0.232B	0.414B	0.356	0.241	0.116	0.685	0.117	0.347	---	---	7
8	---	---	0.231B	0.380B	0.559	0.211	0.160	0.591	0.121	0.331	---	---	8
9	---	---	0.229B	0.356B	0.282	0.212	0.124	0.482	0.118	0.331	---	---	9
10	---	---	0.240B	0.358B	0.250	0.239	0.079	0.434	0.114	0.321	---	---	10
11	---	---	0.362B	0.338B	0.222	0.226	0.076	0.367	0.100	0.296	---	---	11
12	---	---	0.465B	0.338B	0.218	0.211	0.085	0.304	0.082	0.369	---	---	12
13	---	---	0.581B	0.345B	0.247	0.209	0.066	0.248	0.086	0.485	---	---	13
14	---	---	0.603B	0.310	0.233	0.215	0.063	0.154	0.080	0.457	---	---	14
15	---	---	0.601B	0.319	0.213	0.241	0.088	0.106	0.086	0.434	---	---	15
16	---	---	0.597B	0.328	0.283	0.278	0.111	0.120	0.083	0.387	---	---	16
17	---	---	0.589B	0.337	0.350	0.276	0.148	0.147	0.082	0.368	---	---	17
18	---	---	0.581B	0.348	0.204	0.285	0.125	0.147	0.081	0.345	---	---	18
19	---	---	0.579B	0.333	0.211	0.284	0.093	0.136	0.090	0.345	---	---	19
20	---	---	0.577B	0.316	0.204	0.265	0.102	0.146	0.103	0.365	---	---	20
21	---	---	0.577B	0.346	0.191	0.261	0.111	0.111	0.115	0.341	---	---	21
22	---	---	0.575B	0.353	0.264	0.321	0.109	0.134	0.127	0.351	---	---	22
23	---	---	0.572B	0.331	0.341	0.330	0.129	0.159	0.131	0.362	---	---	23
24	---	---	0.585B	0.348	0.407	0.324	0.176	0.176	0.145	0.364	---	---	24
25	---	---	0.601B	0.362	0.412	0.295	0.308	0.237	0.231	0.366	---	---	25
26	---	---	0.637B	0.352	0.379	0.267	0.228	0.250	0.612	0.367	---	---	26
27	---	---	0.664B	0.346	0.341	0.245	0.168	0.229	0.447	0.366	---	---	27
28	---	---	0.683B	0.363	0.322	0.243	0.142	0.209	0.399	0.369	---	---	28
29	---		0.700B	0.360	0.468	0.239	0.128	0.182	0.407	0.384	---	---	29
30	---		0.695B	0.453	0.513	0.220	0.100	0.160	0.368	0.406	---	---	30
31	---		0.688B		0.395		0.127	0.376		0.422		---	31
TOTAL	---	---	14.880	11.831	10.220	7.762	4.043	8.429	5.871	11.390	---	---	TOTAL
MEAN	---	---	0.480	0.394	0.330	0.259	0.130	0.272	0.196	0.367	---	---	MEAN
MAX	---	---	0.700	0.683	0.559	0.330	0.308	0.685	0.612	0.485	---	---	MAX
MIN	---	---	0.229	0.310	0.191	0.209	0.063	0.106	0.080	0.296	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.304
MAXIMUM DAILY, 0.700B ON MAR 29
MINIMUM DAILY, 0.063 ON JUL 14
MAXIMUM INSTANTANEOUS,
0.808 AT 07:23 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 414 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	349
FEB	---	AUG	728
MAR	1 290	SEP	507
APR	1 020	OCT	984
MAY	883	NOV	---
JUN	671	DEC	---

TOTAL DISCHARGE, 6 430 dam³

WHITEMUD RIVER AT WESTBOURNE - STATION NO. 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.722B	0.526B	4.19B	9.55B	3.89	6.13E	2.89	0.500	0.697	1.20	2.18	2.05 B	1
2	0.722B	0.533B	3.70B	11.8 B	3.93	6.40E	2.51	0.498	0.539	1.54	2.51	2.01 B	2
3	0.759B	0.503B	3.55B	11.5 B	4.19	6.57E	2.16	0.507	0.527	1.62	3.78	1.98 B	3
4	0.778B	0.508B	2.66B	10.0 B	4.24	6.73E	1.97	0.506	0.662	2.25	4.14	1.80 B	4
5	0.695B	0.504B	2.24B	8.56B	4.22	6.78E	1.62	0.732	1.03	2.07	4.09	1.60 B	5
6	0.611B	0.498B	2.14B	12.3 B	4.29	6.73E	1.48	0.997	1.30	1.67	3.64	1.63 B	6
7	0.557B	0.507B	1.98B	10.3 B	4.51	6.57E	1.27	0.998	1.11	2.42	3.11	1.59 B	7
8	0.554B	0.508B	1.79B	6.32	4.40	6.35E	1.08	0.834	0.970	2.46	2.58	1.54 B	8
9	0.533B	0.505B	1.68B	6.19	4.03A	6.03E	0.840	0.931	0.858	2.46	1.91	1.45 B	9
10	0.527B	0.509B	1.67B	5.85	3.65E	5.70E	0.701	1.06	0.817	2.31	2.12	1.41 B	10
11	0.531B	0.521B	1.72B	4.54	3.25E	5.32E	0.700	1.15	0.876	2.16	1.71	1.41 B	11
12	0.524B	0.522B	1.88B	4.32	2.84E	5.11E	0.629	1.13	1.10	2.15	1.79	1.27 B	12
13	0.522B	0.536B	1.97B	3.82	2.62E	4.95E	0.553	1.01	0.768	2.40	1.77	1.12 B	13
14	0.497B	0.539B	2.12B	3.34	2.42E	4.95E	0.524	0.885	0.587	1.96	1.67	0.850B	14
15	0.456B	0.547B	2.25B	3.46	2.34E	5.27E	0.530	0.838	0.550	2.14	1.62	0.792B	15
16	0.453B	0.550B	2.48B	3.72	2.30E	4.89E	0.552	0.813	0.543	4.14	1.65	0.681B	16
17	0.446B	0.579B	2.89B	3.35	2.18E	6.51E	0.657	0.830	0.518	4.42	1.55	0.509B	17
18	0.438B	0.720B	3.05B	2.64	2.30E	6.57E	0.632	0.780	0.395	4.27	2.27	0.408B	18
19	0.401B	0.940B	3.11B	2.67	2.88A	6.51E	0.607	0.619	0.346	4.18	2.09	0.313B	19
20	0.375B	1.25 B	3.18B	2.75	3.36	6.51E	0.605	1.51	0.275	4.07	0.945B	0.308B	20
21	0.373B	1.70 B	3.44B	2.64	3.38	6.24E	0.610	0.849	0.209	3.43	2.50 B	0.369B	21
22	0.377B	2.06 B	3.53B	2.95	2.92	5.70E	0.656	0.563	0.228	3.21	2.55 B	0.418B	22
23	0.376B	2.42 B	3.53B	3.10	2.86	5.43E	0.703	0.568	0.243	2.53	2.68 B	0.416B	23
24	0.376B	3.65 B	3.57B	2.98	3.07	5.76E	0.637	0.523	0.257	2.26	2.68 B	0.437B	24
25	0.380B	4.03 B	3.74B	3.20	3.59	6.19A	0.525	0.526	0.393	1.18	2.63 B	0.467B	25
26	0.390B	4.08 B	3.69B	3.25	4.17	6.08	0.497	0.498	0.739	1.57	2.45 B	0.467B	26
27	0.463B	3.97 B	3.71B	3.42	5.13	6.00	0.476	0.464	0.616	1.96	2.52 B	0.455B	27
28	0.498B	3.76 B	4.08B	3.49	5.59	5.36	0.469	0.460	0.469	2.20	2.33 B	0.470B	28
29	0.485B		4.89B	3.42	5.65A	4.46	0.473	0.453	0.809	1.92	2.10 B	0.448B	29
30	0.498B		6.01B	3.64	5.81E	3.61	0.476	0.453	1.43	1.91	2.07 B	0.394B	30
31	0.512B		7.30B		5.86E		0.508	0.765		1.99		0.340B	31
TOTAL	15.829	37.475	97.74	159.07	115.87	175.41	28.540	23.250	19.861	76.05	71.635	29.402	TOTAL
MEAN	0.511	1.34	3.15	5.30	3.74	5.85	0.921	0.750	0.662	2.45	2.39	0.948	MEAN
MAX	0.778	4.08	7.30	12.3	5.86	6.78	2.89	1.51	1.43	4.42	4.14	2.05	MAX
MIN	0.373	0.498	1.67	2.64	2.18	3.61	0.469	0.453	0.209	1.18	0.945	0.308	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.33
MAXIMUM DAILY, 12.3B ON APR 6
MINIMUM DAILY, 0.209 ON SEP 21
MAXIMUM INSTANTANEOUS,
13.0B AT 08:15 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 03 N
LONG 98 35 00 W
DRAINAGE AREA, 6 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 370	JUL	2 470
FEB	3 240	AUG	2 010
MAR	8 440	SEP	1 720
APR	13 700	OCT	6 570
MAY	10 000	NOV	6 190
JUN	15 200	DEC	2 540

TOTAL DISCHARGE, 73 500 dam³

WHITEMUD RIVER NEAR KEYES - STATION NO. 05LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.322B	0.136B	1.19 B	4.57 B	1.05	2.41	0.723	0.345	0.297	0.488	0.853	0.491B	1
2	0.322B	0.139B	0.879B	5.03 B	1.03	2.01	0.665	0.574	0.405	0.644	0.906	0.479B	2
3	0.246B	0.142B	0.943B	3.62 B	1.12	1.47	0.572	0.605	0.276	0.472	0.900	0.478B	3
4	0.276B	0.140B	0.761B	3.59 B	1.21	1.13	0.542	0.555	0.153	0.525	0.871	0.460B	4
5	0.232B	0.145B	0.656B	2.06 B	1.14	1.01	0.452	0.566	0.315	0.564	0.827	0.412B	5
6	0.220B	0.145B	0.600B	2.02 B	1.07	0.921	0.339	0.574	0.306	0.578	0.771	0.433B	6
7	0.196B	0.137B	0.579B	1.79 B	1.09	0.907	0.265	0.437	0.322	0.600	0.745	0.427B	7
8	0.174B	0.140B	0.616B	1.61 B	1.03	0.851	0.199	0.372	0.218	0.596	0.689	0.411B	8
9	0.155B	0.131B	0.608B	1.53	0.938	0.794	0.169	0.317	0.140	0.584	0.635	0.361B	9
10	0.131B	0.136B	0.605B	1.26	0.932	0.820	0.144	0.264	0.078	0.591	0.617	0.345B	10
11	0.114B	0.115B	0.626B	1.14	0.919	0.746	0.138	0.244	0.053	0.537	0.582	0.333B	11
12	0.105B	0.125B	0.675B	1.14	0.861	0.736	0.154	0.236	0.045	0.538	0.598	0.321B	12
13	0.103B	0.126B	0.688B	1.06	0.855	0.711	0.162	0.199	0.035	0.616	0.590	0.274B	13
14	0.106B	0.131B	0.741B	1.05	0.890	0.850	0.181	0.180	0.029	0.683	0.577	0.220B	14
15	0.107B	0.111B	0.790B	0.968	0.772	0.916	0.215	0.156	0.021	0.844	0.591	0.174B	15
16	0.103B	0.144B	0.837B	0.924	0.700	0.904	0.225	0.134	0.015	0.841	0.590	0.166B	16
17	0.100B	0.171B	0.895B	0.894	0.714	0.902	0.230	0.823	0.012	0.932	0.573	0.139B	17
18	0.099B	0.318B	0.925B	0.672	0.703	0.959	0.297	1.13	0.018	0.855	0.596	0.125B	18
19	0.098B	0.520B	1.04 B	0.889	0.650	0.906	0.281	0.263	0.023	0.813	0.562B	0.102B	19
20	0.098B	6.09 B	1.05 B	0.876	0.643	0.865	0.197	0.462	0.024	0.768	0.436B	0.100B	20
21	0.098B	8.07 B	1.13 B	0.862	0.657	0.806	0.175	0.220	0.028	0.684	0.547B	0.122B	21
22	0.098B	5.57 B	1.19 B	0.885	0.671	0.810	0.248	0.228	0.027	0.647	0.534B	0.141B	22
23	0.098B	2.96 B	1.12 B	1.01	0.692	0.913	0.241	0.163	0.023	0.628	0.559B	0.173B	23
24	0.100B	1.36 B	1.06 B	0.955	0.792	0.953	0.270	0.118	0.015	0.593	0.556B	0.189B	24
25	0.102B	1.25 B	1.00 B	0.925	0.968	0.920	0.313	0.076	0.029	0.520	0.545B	0.194B	25
26	0.108B	1.88 B	0.958B	0.901	0.985	0.845	0.343	0.053	0.134	0.558	0.547B	0.184B	26
27	0.111B	3.72 B	1.03 B	0.969	1.05	0.770	0.341	0.037	0.401	0.634	0.545B	0.192B	27
28	0.115B	1.33 B	1.16 B	1.03	1.12	0.735	0.329	0.027	0.496	0.666	0.523B	0.190B	28
29	0.108B		1.38 B	1.12	1.30	0.765	0.240	0.015	0.596	0.651	0.512B	0.157B	29
30	0.114B		2.20 B	1.08	1.65	0.732	0.191	0.012	0.463	0.657	0.490B	0.127B	30
31	0.111B		4.17 B		2.42		0.227	0.129		0.764		0.099B	31
TOTAL	4.470	35.382	32.102	46.630	30.622	29.067	9.068	9.514	4.995	20.071	18.867	8.019	TOTAL
MEAN	0.144	1.26	1.04	1.55	0.988	0.969	0.293	0.307	0.167	0.647	0.629	0.259	MEAN
MAX	0.322	8.07	4.17	5.03	2.42	2.41	0.723	1.13	0.596	0.932	0.906	0.491	MAX
MIN	0.098	0.111	0.579	0.862	0.643	0.711	0.138	0.012	0.012	0.472	0.436	0.099	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.682
MAXIMUM DAILY, 8.07B ON FEB 21
MINIMUM DAILY, 0.012 ON AUG 30

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 99 06 10 W
DRAINAGE AREA, 1 750 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	386	JUL	783
FEB	3 060	AUG	822
MAR	2 770	SEP	432
APR	4 030	OCT	1 730
MAY	2 650	NOV	1 630
JUN	2 510	DEC	693

TOTAL DISCHARGE, 21 500 dam³

WHITEMUD RIVER NEAR NEEPAWA - STATION NO. 05LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.508B	0.696	0.555	0.525	0.281	0.214	0.005	0.167	---	---	1
2	---	---	0.508B	0.708	0.553	0.413	0.226	0.219	0.078	0.192	---	---	2
3	---	---	0.508B	0.553	0.529	0.370	0.161	0.216	0.037	0.173	---	---	3
4	---	---	0.508B	0.416	0.529	0.357	0.147	0.230	0.026	0.213	---	---	4
5	---	---	0.508B	0.407	0.536	0.347	0.133	0.275	0.319	0.231	---	---	5
6	---	---	0.508B	C.431	0.503	0.269	0.119	0.252	0.025	0.236	---	---	6
7	---	---	0.508B	0.282	0.477	0.317	0.139	0.239	0.017	0.255	---	---	7
8	---	---	0.508B	0.207	0.466	0.249	0.133	0.237	0.016	0.226	---	---	8
9	---	---	0.508B	0.212	0.402	0.274	0.135	0.238	0.019	0.235	---	---	9
10	---	---	0.508B	0.209	0.423	0.302	0.156	0.240	0.022	0.219	---	---	10
11	---	---	0.519E	0.170	0.369	0.266	0.161	0.237	0.021	0.227	---	---	11
12	---	---	0.548A	0.214	0.367	0.254	0.159	0.237	0.020	0.313	---	---	12
13	---	---	0.564	0.193	0.348	0.263	0.164	0.241	0.015	0.344	---	---	13
14	---	---	0.585	0.180	0.185	0.281	0.170	0.241	0.010	0.352	---	---	14
15	---	---	0.632	0.197	0.220	0.311	0.171	0.247	0.009	0.375	---	---	15
16	---	---	0.753	0.204	0.138	0.286	0.269	0.254	0.003	0.376	---	---	16
17	---	---	0.886	0.202	0.128	0.320	0.242	0.279	0.004	0.345	---	---	17
18	---	---	0.777	0.232	0.175	0.310	0.173	0.260	0.015	0.301	---	---	18
19	---	---	0.896	0.236	0.186	0.286	0.184	0.096	0.136	0.305	---	---	19
20	---	---	0.872	0.287	0.184	0.300	0.206	0.119	0.146	0.298	---	---	20
21	---	---	0.731	0.295	0.152	0.315	0.205	0.240	0.146	0.279	---	---	21
22	---	---	0.603	0.293	0.199	0.360	0.201	0.290	0.144	0.268	---	---	22
23	---	---	0.473	0.305	0.157	0.373	0.192	0.333	0.143	0.266	---	---	23
24	---	---	0.397	0.332	0.195	0.387	0.069	0.341	0.142	0.278	---	---	24
25	---	---	0.415	0.373	0.290	0.345	0.171	0.100	0.150	0.258	---	---	25
26	---	---	0.375	0.400	0.361	0.345	0.221	0	0.157	0.270	---	---	26
27	---	---	0.390	0.414	0.384	0.363	0.238	0	0.161	0.272	---	---	27
28	---	---	0.539	0.474	0.363	0.342	0.244	0	0.170	0.302	---	---	28
29	---		0.690	0.486	0.644	0.365	0.215	0	0.171	0.323	---	---	29
30	---		0.822	0.506	0.703	0.304	0.236	0.002	0.170	0.370	---	---	30
31	---		0.898		0.718		0.218	0.011		0.421		---	31
TOTAL	---	---	18.445	10.114	11.439	9.799	5.739	5.888	2.197	8.690	---	---	TOTAL
MEAN	---	---	0.595	0.337	0.369	0.327	0.185	0.190	0.073	0.280	---	---	MEAN
MAX	---	---	0.898	0.708	0.718	0.525	0.281	0.341	0.171	0.421	---	---	MAX
MIN	---	---	0.375	0.170	0.128	0.249	0.069	0	0.003	0.167	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.295
MAXIMUM DAILY, 0.898 ON MAR 31
MINIMUM DAILY, 0 ON AUG 26
MAXIMUM INSTANTANEOUS,
0.991 AT 19:38 CST ON MAR 17

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 34 N
LONG 99 27 17 W
DRAINAGE AREA, 803 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	496
FEB	---	AUG	509
MAR	1 590	SEP	190
APR	874	OCT	751
MAY	988	NOV	---
JUN	847	DEC	---

TOTAL DISCHARGE, 6 250 dam³

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO. 05PG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.79	1.45	1.29	0.138	0.028	0.125E	1.10	0.957	0.854	2.52	5.94	4.77	1
2	1.81	1.43	1.30	0.142	0.027	0.098E	1.03	0.952	0.885	2.64	5.90	4.74	2
3	1.81	1.39	0.817	0.142	0.034	0.077E	0.981	0.941	0.765	2.60	5.91	4.73	3
4	1.79	1.37	0.188	0.125	0.032	0.100E	1.03	0.949	0.753	2.66	5.97	4.66	4
5	1.76	1.33	0.175	0.108	0.030	0.185E	1.02	1.04	0.736	2.64	5.67	4.63	5
6	1.73	1.32	0.173	0.117	0.030	0.185E	1.64	1.08	1.39	2.60	5.81	4.52	6
7	1.73	1.32	0.176	0.090	0.037	0.185E	2.41	1.17	1.67	2.68	5.69	4.45	7
8	1.69	1.31	0.180	0.080	0.041	0.185E	2.11	1.12	1.78	2.79	5.40	4.41	8
9	1.66	1.30	0.179	0.071	0.036	0.180E	1.91	1.10	1.81	2.80	5.75	4.31	9
10	1.64	1.30	0.182	0.066	0.036	0.175E	1.80	1.12	1.90	2.81	5.32	4.19	10
11	1.60	1.29	0.187	0.062	0.044	0.170E	1.75	1.16	1.87	2.88	5.52	4.17	11
12	1.57	1.27	0.180	0.058	0.044	0.160E	1.69	1.08	1.94	3.04	5.56	4.06	12
13	1.55	1.25	0.189	0.062	0.042A	0.135E	1.62	1.07	1.92	7.24	5.55	4.03	13
14	1.53	1.23	0.203	0.055	0.040E	0.125E	1.59	1.02	1.92	10.3	5.46	3.97	14
15	1.51	1.21	0.207	0.054	0.039E	0.585E	1.56	0.986	1.92	9.13	5.46	3.91	15
16	1.51	1.19	0.214	0.055	0.036E	0.847E	1.43	0.977	1.93	8.28	5.44	3.82	16
17	1.48	1.19	0.210	0.062	0.036E	0.827E	1.33	0.961	1.97	7.52	5.35	3.67	17
18	1.47	1.18	0.208	0.061	0.037E	0.785E	1.31	0.934	1.94	7.06	5.32	3.55	18
19	1.45	1.18	0.200	0.064	0.040E	0.730E	1.29	0.927	1.95	6.97	5.23	3.45	19
20	1.44	1.18	0.208	0.059	0.035E	0.689E	1.24	0.891	1.97	6.65	5.21	3.34	20
21	1.43	1.21	0.228	0.062	0.035E	0.640E	1.22	0.876	1.98	6.58	5.10	3.24	21
22	1.41	1.22	0.224	0.071	0.218E	0.585E	1.18	0.833	2.07	6.35	4.94	3.16	22
23	1.40	1.24	0.209	0.070	0.202E	0.527E	1.12	0.817	2.08	6.36	4.91	3.15	23
24	1.39	1.25	0.193	0.063	0.185E	0.510E	1.07	0.806	2.07	6.14	4.85	3.10	24
25	1.42	1.26	0.127	0.055	0.180E	0.492E	1.06	0.784	2.12	5.93	4.81	3.04	25
26	1.52	1.27	0.125	0.058	0.175E	0.585A	1.05	0.760	2.21	5.89	4.92	3.00	26
27	1.50	1.29	0.120	0.054	0.175E	0.874	1.04	0.740	1.97	5.82	4.93	2.93	27
28	1.47	1.30	0.129	0.044	0.207E	0.907	1.03	0.741	2.17	5.88	4.92	2.90	28
29	1.45		0.180	0.033	0.185E	0.921	1.01	0.735	2.20	6.04	4.86	2.86	29
30	1.43		0.215	0.029	0.175E	1.03	0.992	0.805	2.28	6.22	4.81	2.79	30
31	1.43		0.145		0.160E		1.01	0.816		5.99		2.78	31
TOTAL	48.37	35.73	8.561	2.210	2.621	13.619	41.623	29.148	53.023	163.01	160.51	116.33	TOTAL
MEAN	1.56	1.28	0.276	0.074	0.085	0.454	1.34	0.940	1.77	5.26	5.35	3.75	MEAN
MAX	1.81	1.45	1.30	0.142	0.218	1.03	2.41	1.17	2.28	10.3	5.97	4.77	MAX
MIN	1.39	1.18	0.120	0.029	0.027	0.077	0.981	0.735	0.736	2.52	4.81	2.78	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 10.3 ON OCT 14
MINIMUM DAILY, 0.027 ON MAY 2
MAXIMUM INSTANTANEOUS,
11.5 AT 15:55 CST ON OCT 13

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 30 20 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 180	JUL	3 600
FEB	3 090	AUG	2 520
MAR	740	SEP	4 580
APR	191	OCT	14 100
MAY	226	NOV	13 900
JUN	1 180	DEC	10 100

TOTAL DISCHARGE, 58 400 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO. 05MG023

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	496.275	496.165	496.177	496.000	496.015	495.956	---	---	1
2	---	---	---	---	496.262	496.163	496.106	495.999	496.041	495.975	---	---	2
3	---	---	---	---	496.252	496.162	496.109	495.999	496.018	495.950	---	---	3
4	---	---	---	---	496.253	496.162	496.113	495.991	496.022	495.948	---	---	4
5	---	---	---	---	496.252	496.143	496.096	496.009	496.037	495.946	---	---	5
6	---	---	---	---	496.253	496.154	496.118	496.002	496.008	495.943	---	---	6
7	---	---	---	---	496.251	496.142	496.076	496.004	496.005	495.942	---	---	7
8	---	---	---	---	496.232	496.140	496.040	495.997	496.002	495.942	---	---	8
9	---	---	---	---	496.230	496.133	496.047	495.996	496.000	495.939	---	---	9
10	---	---	---	---	496.245	496.122	496.041	495.993	495.996	495.937	---	---	10
11	---	---	---	---	496.242	496.125	496.050	495.993	495.992	495.976	---	---	11
12	---	---	---	---	496.228	496.124	496.067	495.996	495.990	495.943	---	---	12
13	---	---	---	---	496.221	496.121	496.067	495.991	495.987	495.940	---	---	13
14	---	---	---	---	496.221	496.123	496.061	495.986	495.985	495.934	---	---	14
15	---	---	---	---	496.217	496.108	496.058	495.986	495.982	495.932	---	---	15
16	---	---	---	---	496.217	496.130	496.041	495.985	495.979	495.931	---	---	16
17	---	---	---	---	496.203	496.102	496.042	495.981	495.978	495.929	---	---	17
18	---	---	---	---	496.201	496.085	496.044	495.982	495.976	495.926	---	---	18
19	---	---	---	---	496.203	496.113	496.041	495.977	495.974	495.925	---	---	19
20	---	---	---	---	496.203	496.110	496.038	495.975	495.971	495.922	---	---	20
21	---	---	---	---	496.192	496.117	496.040	495.973	495.970	495.920	---	---	21
22	---	---	---	---	496.166	496.132	496.038	495.973	495.967	495.919	---	---	22
23	---	---	---	---	496.165	496.148	496.039	495.983	495.965	495.918	---	---	23
24	---	---	---	---	496.176	496.126	496.020	496.011	495.963	495.916	---	---	24
25	---	---	---	---	496.186	496.120	496.026	496.014	495.961	495.914	---	---	25
26	---	---	---	---	496.192	496.140	496.023	496.010	495.959	495.913	---	---	26
27	---	---	---	496.255A	496.190	496.129	496.030	496.009	495.955	495.912	---	---	27
28	---	---	---	496.267	496.186	496.122	496.031	496.013	495.956	495.910	---	---	28
29	---		---	496.262	496.164	496.130	496.015	496.006	495.953	495.909A	---	---	29
30	---		---	496.249	496.180	496.148	496.010	496.025	495.952	495.909E	---	---	30
31	---		---		496.182		495.997	496.009		495.908E		---	31
MEAN	---	---	---	---	496.214	496.131	496.055	495.996	495.985	495.932	---	---	MEAN
MAX	---	---	---	---	496.275	496.165	496.177	496.025	496.041	495.976	---	---	MAX
MIN	---	---	---	---	496.164	496.085	495.997	495.973	495.952	495.908	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 496.275 ON MAY 1

MAXIMUM INSTANTANEOUS,
496.365 AT 00:33 CST ON MAY 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1981

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 26 N
LONG 100 19 29 W

A - MANUAL GAUGE

E - ESTIMATED

WILLOW CREEK NEAR CHATER - STATION NO. 05MH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.183B	0.064	0.022	0.014	0.005	0	0	0	---	---	1
2	---	---	0.179B	0.059	0.026	0.013	0.006	0	0	0	---	---	2
3	---	---	0.179B	0.057	0.027	0.007	0.005	0	0	0	---	---	3
4	---	---	0.178B	0.056	0.025	0.014	0.004	0	0	0	---	---	4
5	---	---	0.164B	0.043	0.020	0.017	0.003	0	0	0	---	---	5
6	---	---	0.139B	0.045	0.023	0.014	0.001	0	0	0	---	---	6
7	---	---	0.120B	0.040	0.021	0.007	0.001	0	0	0	---	---	7
8	---	---	0.122B	0.024	0.017	0.010	0.001	0	0	0	---	---	8
9	---	---	0.115B	0.027	0.015	0.008	0.001	0	0	0	---	---	9
10	---	---	0.130B	0.030	0.013	0.008	0.001	0	0	0	---	---	10
11	---	---	0.148B	0.023	0.012	0.008	0.001	0	0	0	---	---	11
12	---	---	0.189B	0.027	0.013	0.007	0.001	0	0	0	---	---	12
13	---	---	0.244B	0.028	0.013	0.009	0.001	0	0	0	---	---	13
14	---	---	0.263B	0.016	0.013	0.010	0.001	0	0	0	---	---	14
15	---	---	0.401B	0.016	0.013	0.008	0.001	0	0	0	---	---	15
16	---	---	0.597B	0.016	0.014	0.007	0.001	0	0	0	---	---	16
17	---	---	0.818B	0.016	0.012	0.007	0.001	0	0	0	---	---	17
18	---	---	0.717B	0.017	0.011	0.008	0.001	0	0	0	---	---	18
19	---	---	0.653B	0.013	0.011	0.006	0	0	0	0	---	---	19
20	---	---	0.508B	0.013	0.012	0.006	0	0	0	0	---	---	20
21	---	---	0.412B	0.012	0.010	0.007	0	0	0	0	---	---	21
22	---	---	0.353B	0.016	0.009	0.009	0	0	0	0	---	---	22
23	---	---	0.276B	0.013	0.013	0.007	0	0	0	0	---	---	23
24	---	---	0.221B	0.013	0.013	0.008	0	0	0	0	---	---	24
25	---	---	0.175B	0.017	0.017	0.007	0	0	0	0	---	---	25
26	---	---	0.165B	0.018	0.022	0.005	0	0	0	0	---	---	26
27	---	---	0.125B	0.017	0.018	0.006	0	0	0	0	---	---	27
28	---	---	0.119B	0.015	0.014	0.008	0	0	0	0	---	---	28
29	---		0.106	0.023	0.010	0.008	0	0	0	0	---	---	29
30	---		0.103	0.026	0.012	0.006	0	0	0	0	---	---	30
31	---		0.083		0.013		0	0		0		---	31
TOTAL	---	---	5.185	0.800	0.484	0.259	0.036	0	0	0	---	---	TOTAL
MEAN	---	---	0.264	0.027	0.016	0.009	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.818	0.064	0.027	0.017	0.006	0	0	0	---	---	MAX
MIN	---	---	0.083	0.012	0.009	0.005	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.040
MAXIMUM DAILY, 0.818B ON MAR 17
MINIMUM DAILY, 0 ON JUL 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 99 49 34 W
DRAINAGE AREA, 668 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.11
FEB	---	AUG	0
MAR	707	SEP	0
APR	69.1	OCT	0
MAY	41.8	NOV	---
JUN	22.4	DEC	---

TOTAL DISCHARGE, 843 dam³

WILLOW CREEK NEAR GIMLI - STATION NO. 05EB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.220E	0.006	0.009	---	---	---	---	---	---	1
2	---	---	0 B	0.236E	0.015	0.003	---	---	---	---	---	---	2
3	---	---	0 B	0.226E	0.014	0	---	---	---	---	---	---	3
4	---	---	0 B	0.215E	0.008	0	---	---	---	---	---	---	4
5	---	---	0 B	0.205E	0.007	0	---	---	---	---	---	---	5
6	---	---	0 B	0.148E	0.008	0	---	---	---	---	---	---	6
7	---	---	0 B	0.090E	0.006	0	---	---	---	---	---	---	7
8	---	---	0 B	0.033A	0.004	0	---	---	---	---	---	---	8
9	---	---	0 B	0.312	0	0	---	---	---	---	---	---	9
10	---	---	0.082B	0.408	0	0	---	---	---	---	---	---	10
11	---	---	0.082B	0.350	0	0	---	---	---	---	---	---	11
12	---	---	0.083B	0.350	0	0	---	---	---	---	---	---	12
13	---	---	0.084B	0.371	0	0	---	---	---	---	---	---	13
14	---	---	0.085B	0.322	0	0	---	---	---	---	---	---	14
15	---	---	0.086B	0.302	0	0	---	---	---	---	---	---	15
16	---	---	0.087B	0.366	0	0.001	---	---	---	---	---	---	16
17	---	---	0.087B	0.286	0	0.010	---	---	---	---	---	---	17
18	---	---	0.089B	0.211	0	0.029	---	---	---	---	---	---	18
19	---	---	0.092B	0.095	0	0.041	---	---	---	---	---	---	19
20	---	---	0.094B	0.072	0	0.037	---	---	---	---	---	---	20
21	---	---	0.096B	0.061	0	0.022	---	---	---	---	---	---	21
22	---	---	0.098B	0.066	0	0.008	---	---	---	---	---	---	22
23	---	---	0.101B	0.066	0	0	---	---	---	---	---	---	23
24	---	---	0.103B	0.065	0	0	---	---	---	---	---	---	24
25	---	---	0.117B	0.056	0.003	0	---	---	---	---	---	---	25
26	---	---	0.132B	0.044	0.015	0	---	---	---	---	---	---	26
27	---	---	0.146B	0.014	0.023	0	---	---	---	---	---	---	27
28	---	---	0.161B	0.008	0.027	0	---	---	---	---	---	---	28
29	---		0.175B	0.006	0.026	0.007	---	---	---	---	---	---	29
30	---		0.190B	0.006	0.021	0.023	---	---	---	---	---	---	30
31	---		0.204B		0.017		---	---		---		---	31
TOTAL	---	---	2.474	5.210	0.200	0.190	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.080	0.174	0.006	0.006	---	---	---	---	---	---	MEAN
MAX	---	---	0.204	0.408	0.027	0.041	---	---	---	---	---	---	MAX
MIN	---	---	0	0.006	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 0.408 ON APR 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.430 AT 14:31 CST ON APR 10

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 50 N
LONG 97 02 40 W
DRAINAGE AREA, 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	214	SEP	---
APR	450	OCT	---
MAY	17.3	NOV	---
JUN	16.4	DEC	---

TOTAL DISCHARGE, 698 dam³

WILSON CREEK NEAR MCCREARY - STATION NO. 05LJ033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.006B	0.003B	0.003B	0.136E	0.104	0.148	0.046	0.007	0.006	0.056	---	---	1
2	0.006B	0.003B	0.003B	0.187E	0.099	0.126	0.050	0.006	0.004	0.026	---	---	2
3	0.006B	0.003B	0.003B	0.193E	0.100	0.113	0.025	0.008	0.003	0.023	---	---	3
4	0.006B	0.003B	0.003B	0.113E	0.097	0.101	0.018	0.012	0.004	0.024	---	---	4
5	0.003B	0.003B	0.003B	0.014E	0.101	0.093	0.019	0.038	0.004	0.024	---	---	5
6	0.003B	0.003B	0.003B	0.014E	0.090	0.072	0.015	0.027	0.004	0.024	---	---	6
7	0.003B	0.003B	0.003B	0.011E	0.093	0.062	0.009	0.011	0.003	0.020E	---	---	7
8	0.006B	0.003B	0.003B	0.003E	0.079	0.064	0.044	0.017	0.003	0.017E	---	---	8
9	0.006B	0.003B	0.003B	0.003E	0.066	0.064	0.021	0.012	0.004	0.014E	---	---	9
10	0.006B	0.003B	0.003B	0.003E	0.058	0.064	0.020	0.011	0.004	0.014E	---	---	10
11	0.006B	0.003B	0.003B	0.003E	0.055	0.059	0.021	0.008	0.004	0.014E	---	---	11
12	0.006B	0.003B	0.011B	0.003E	0.053	0.052	0.021	0.005	0.005	0.014E	---	---	12
13	0.006B	0.003B	0.011B	0.003E	0.057	0.057	0.020	0.003	0.006	0.176E	---	---	13
14	0.006B	0.003B	0.011B	0.003E	0.049	0.173	0.022	0.003	0.006	0.062E	---	---	14
15	0.003B	0.003B	0.025B	0.003E	0.047	0.698	0.048	0.003	0.006	0.085E	---	---	15
16	0.003B	0.003B	0.062B	0.003E	0.042	0.393	0.050	0.002	0.007	0.085E	---	---	16
17	0.003B	0.003B	0.025B	0.003E	0.036	0.235	0.024	0.002	0.008	0.085E	---	---	17
18	0.003B	0.003B	0.017B	0.003E	0.041	0.452	0.019	0.002	0.009	0.147E	---	---	18
19	0.003B	0.003B	0.008B	0.003E	0.037	0.279	0.020	0.002	0.009	0.147E	---	---	19
20	0.003B	0.006B	0.003B	0.003E	0.039	0.248	0.016	0.002	0.011	0.108E	---	---	20
21	0.003B	0.006B	0.003B	0.003E	0.039	0.340	0.011	0.002	0.011	0.051E	---	---	21
22	0.006B	0.008B	0.003B	0.003E	0.206	0.341	0.010	0.002	0.011	0.028E	---	---	22
23	0.008B	0.008B	0.003B	0.014E	0.329	0.379	0.010	0.002	0.011	0.028E	---	---	23
24	0.011B	0.011B	0.003B	0.014E	0.335	0.327	0.011	0.002	0.013	0.028E	---	---	24
25	0.008B	0.011B	0.008E	0.014E	0.467	0.199	0.010	0.002	0.017	0.028E	---	---	25
26	0.008B	0.011B	0.008E	0.028E	0.281	0.178	0.009	0.002	0.084	0.028E	---	---	26
27	0.008B	0.006B	0.011E	0.057E	0.233	0.135	0.008	0.002	0.035	0.028E	---	---	27
28	0.008B	0.003B	0.068E	0.085E	0.187	0.108	0.007	0.003	0.027	0.028E	---	---	28
29	0.008B		0.153E	0.108E	0.253	0.090	0.007	0.003	0.024	0.028E	---	---	29
30	0.003B		0.170E	0.108E	0.194	0.068	0.006	0.003	0.039	0.028E	---	---	30
31	0.003B		0.125E		0.173		0.007	0.007		0.028E		---	31
TOTAL	0.167	0.127	0.761	1.141	4.040	5.718	0.624	0.211	0.382	1.496	---	---	TOTAL
MEAN	0.005	0.005	0.025	0.038	0.130	0.191	0.020	0.007	0.013	0.048	---	---	MEAN
MAX	0.011	0.011	0.170	0.193	0.467	0.698	0.050	0.038	0.084	0.176	---	---	MAX
MIN	0.003	0.003	0.003	0.003	0.036	0.052	0.006	0.002	0.003	0.014	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.059
MAXIMUM DAILY, 0.698 ON JUN 15
MINIMUM DAILY, 0.002 ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 46 N
LONG 99 33 15 W
DRAINAGE AREA, 22.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18.4	JUL	53.9
FEB	11.0	AUG	18.2
MAR	65.8	SEP	33.0
APR	98.6	OCT	129
MAY	349	NOV	---
JUN	494	DEC	---

TOTAL DISCHARGE, 1 240 dam³

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES DIVISION

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.088B	1.73 B	0.394	2.94	0.407	0.002	0	0.003	---	---	1
2	---	---	0.088B	1.65 B	0.416	2.18	0.348	0.002	0	0.002	---	---	2
3	---	---	0.093B	1.50 B	0.434	1.76	0.298	0.002	0	0.002	---	---	3
4	---	---	0.099B	1.43 B	0.404	1.39	0.425	0.001	0	0.002	---	---	4
5	---	---	0.102B	1.30 B	0.397	1.15	0.572	0.002	0	0.002	---	---	5
6	---	---	0.102B	1.35 B	0.425	0.994	0.339	0.003	0	0.002A	---	---	6
7	---	---	0.104B	1.39	0.396	0.878	0.243	0.001	0	0.003	---	---	7
8	---	---	0.104B	1.28	0.351	0.769	0.160	0.001	0	0.003	---	---	8
9	---	---	0.106B	1.11	0.311	0.654	0.117	0.001	0	0.003	---	---	9
10	---	---	0.110B	0.982	0.290	0.577	0.083	0.001	0	0.003	---	---	10
11	---	---	0.117B	0.828	0.241	0.505	0.044	0	0	0.003	---	---	11
12	---	---	0.122B	0.718	0.215	0.527	0.025	0	0	0.005	---	---	12
13	---	---	0.133B	0.684	0.178	0.410	0.020	0	0	0.004	---	---	13
14	---	---	0.155B	0.704	0.164	0.443	0.015	0	0	0.004	---	---	14
15	---	---	0.181B	0.616	0.148	0.608	0.015	0	0	0.004	---	---	15
16	---	---	0.205B	0.587	0.153	3.12	0.016	0	0	0.004	---	---	16
17	---	---	0.170B	0.565	0.134	3.26	0.014	0	0	0.004	---	---	17
18	---	---	0.155B	0.532	0.109	3.82	0.013	0	0	0.004	---	---	18
19	---	---	0.149B	0.500	0.087	3.51	0.010	0.001	0	0.004	---	---	19
20	---	---	0.143B	0.422	0.078	2.54	0.008	0	0	0.004	---	---	20
21	---	---	0.138B	0.374	0.085	1.97	0.007	0	0	0.003	---	---	21
22	---	---	0.135B	0.356	0.095	1.55	0.008	0	0	0.003	---	---	22
23	---	---	0.133B	0.352	0.117	1.27	0.011	0.001	0	0.003	---	---	23
24	---	---	1.38 B	0.308	1.30	1.15	0.011	0	0	0.003	---	---	24
25	---	---	1.65 B	0.252	1.29	1.26	0.009	0	0.001	0.003	---	---	25
26	---	---	1.72 B	0.255	1.11	1.10	0.006	0	0.004	0.003	---	---	26
27	---	---	1.81 B	0.328	0.908	0.869	0.005	0	0.002	0.004	---	---	27
28	---	---	1.92 B	0.323	0.779	0.713	0.004	0	0.002	0.004	---	---	28
29	---		1.95 B	0.322	1.49	0.569	0.002	0	0.002	0.004	---	---	29
30	---		1.89 B	0.348	7.32	0.523	0.002	0	0.004	0.005	---	---	30
31	---		1.81 B		4.57		0.002	0.001		0.005		---	31
TOTAL	---	---	17.062	23.096	24.389	43.009	3.239	0.019	0.015	0.105	---	---	TOTAL
MEAN	---	---	0.550	0.770	0.787	1.43	0.104	0.001	0.001	0.003	---	---	MEAN
MAX	---	---	1.95	1.73	7.32	3.82	0.572	0.003	0.004	0.005	---	---	MAX
MIN	---	---	0.088	0.252	0.078	0.410	0.002	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.453
MAXIMUM DAILY, 7.32 ON MAY 30
MINIMUM DAILY, 0 ON AUG 11
MAXIMUM INSTANTANEOUS,
8.26 AT 04:00 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 100 20 00 W
DRAINAGE AREA, 668 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	280
FEB	---	AUG	1.64
MAR	1 470	SEP	1.30
APR	2 000	OCT	9.07
MAY	2 110	NOV	---
JUN	3 720	DEC	---

TOTAL DISCHARGE, 9 590 dam³

WILSON RIVER NEAR DAUPHIN - STATION NO. 05LJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.272B	2.31 B	0.475	5.80	0.491	0.029	0	0	---	---	1
2	---	---	0.280B	2.24 B	0.501	4.08	0.459	0.024	0	0	---	---	2
3	---	---	0.285B	2.11 B	0.518	2.98	0.410	0.015	0	0	---	---	3
4	---	---	0.290B	2.04 B	0.539	2.23	0.365	0.013	0	0	---	---	4
5	---	---	0.295B	1.94 B	0.524	1.73	0.316	0.014	0	0	---	---	5
6	---	---	0.300B	1.80 B	0.471	1.33	0.431	0.012	0	0	---	---	6
7	---	---	0.305B	1.70 B	0.442	1.11	0.402	0.007	0	0	---	---	7
8	---	---	0.308B	1.77	0.482	0.902	0.295	0.003	0	0	---	---	8
9	---	---	0.312B	1.90	0.417	0.755	0.202	0	0	0	---	---	9
10	---	---	0.316B	1.31	0.382	0.627	0.164	0.001	0	0	---	---	10
11	---	---	0.320B	1.13	0.321	0.498	0.126	0	0	0	---	---	11
12	---	---	0.330B	0.974	0.265	0.415	0.090	0	0	0	---	---	12
13	---	---	0.345B	0.850	0.234	0.361	0.081	0	0	0	---	---	13
14	---	---	0.355B	0.788	0.205	0.402	0.060	0	0	0	---	---	14
15	---	---	0.360B	0.814	0.170	0.505	0.093	0	0	0	---	---	15
16	---	---	0.370B	0.737	0.166	0.659	0.083	0	0	0	---	---	16
17	---	---	0.330B	0.701	0.130	4.38	0.071	0	0	0	---	---	17
18	---	---	0.305B	0.674	0.128	4.46	0.063	0	0	0	---	---	18
19	---	---	0.295B	0.679	0.124	5.29	0.048	0	0	0	---	---	19
20	---	---	0.287B	0.639	0.111	4.30	0.038	0	0	0	---	---	20
21	---	---	0.282B	0.563	0.185	2.98	0.026	0	0	0	---	---	21
22	---	---	0.280B	0.519	0.169	2.35	0.019	0	0	0	---	---	22
23	---	---	0.300B	0.490	0.209	1.81	0.016	0	0	0	---	---	23
24	---	---	0.350B	0.470	0.218	1.48	0.016	0	0	0	---	---	24
25	---	---	0.580B	0.470	1.12	1.17	0.015	0	0	0	---	---	25
26	---	---	0.698B	0.434	1.37	1.32	0.012	0	0	0	---	---	26
27	---	---	1.08 B	0.389	1.36	1.15	0.011	0	0	0	---	---	27
28	---	---	1.64 B	0.449	1.30	0.916	0.012	0	0	0	---	---	28
29	---		1.90 B	0.481	1.41	0.733	0.014	0	0	0	---	---	29
30	---		2.11 B	0.477	5.59	0.564	0.026	0	0	0	---	---	30
31	---		2.38 B		8.94		0.033	0		0	---	---	31
TOTAL	---	---	17.860	31.348	28.436	57.288	4.488	0.118	0	0	---	---	TOTAL
MEAN	---	---	0.576	1.04	0.917	1.91	0.145	0.004	0	0	---	---	MEAN
MAX	---	---	2.38	2.31	8.94	5.80	0.491	0.029	0	0	---	---	MAX
MIN	---	---	0.272	0.389	0.111	0.361	0.011	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.570
MAXIMUM DAILY, 8.94 ON MAY 31
MINIMUM DAILY, 0 ON AUG 9
MAXIMUM INSTANTANEOUS,
9.92 AT 03:37 CST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 30 N
LONG 100 10 45 W
DRAINAGE AREA, 925 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	388
FEB	---	AUG	10.2
MAR	1 540	SEP	0
APR	2 710	OCT	0
MAY	2 460	NOV	---
JUN	4 950	DEC	---

TOTAL DISCHARGE, 12 100 dam³

WINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PF062

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.963	254.966	254.969	254.971	254.970	254.892	254.813	254.733	254.869	254.890	254.989	255.053	1
2	254.963	254.988	254.969	254.973	254.970	254.870	254.791	254.769	254.913	254.890	254.967	254.865	2
3	254.964	254.948	254.957	254.961	254.952	254.870	254.757	254.769	254.968	254.910	254.967	254.865	3
4	254.964	254.966	254.970	254.961	254.914	254.870	254.757	254.769	254.940	254.932	254.967	254.887	4
5	254.986	254.967	254.956	254.959	254.892	254.912	254.769	254.713	254.920	254.956	254.989	254.931	5
6	254.964	254.953	254.952	254.955	254.892	254.918	254.769	254.991	254.990	254.910	254.988	254.907	6
7	254.248	254.953	254.952	254.933	254.918	254.892	254.769	254.911	254.968	254.868	254.988	254.953	7
8	254.952	254.967	254.952	254.913	254.870	254.892	254.769	254.911	254.910	254.868	254.966	254.933	8
9	254.964	254.967	254.954	254.895	254.870	254.912	254.757	254.891	254.910	254.868	254.888	254.887	9
10	254.964	254.967	254.894	254.913	254.918	254.970	254.755	254.869	254.930	254.856	254.888	254.865	10
11	254.964	254.967	254.918	254.919	254.870	254.970	254.761	254.869	254.868	254.856	254.888	254.865	11
12	254.964	254.955	254.970	254.937	254.870	254.932	254.769	254.869	254.848	254.868	254.910	254.865	12
13	254.986	254.969	254.971	254.953	254.892	254.892	254.791	254.891	254.868	254.868	254.928	254.865	13
14	254.986	254.970	254.971	254.951	254.858	254.952	254.757	254.911	254.910	254.856	254.948	254.865	14
15	254.986	254.990	254.995	254.871	254.870	254.970	254.769	254.909	254.868	254.834	254.908	254.909	15
16	254.965	255.012	255.053	254.971	254.892	254.892	254.769	254.969	254.888	254.789	254.866	254.886	16
17	254.965	254.968	254.971	254.993	254.892	254.870	254.757	254.969	254.868	254.767	254.954	254.886	17
18	254.965	254.968	254.955	254.971	254.912	254.952	254.751	254.931	254.868	254.811	254.890	254.864	18
19	254.965	254.968	254.971	254.957	254.952	254.992	254.755	254.931	254.868	254.867	254.866	254.864	19
20	254.965	254.968	254.971	254.915	254.970	254.994	254.769	254.883	254.868	254.889	254.866	254.908	20
21	254.965	254.968	254.973	254.892	254.918	254.932	254.733	254.957	254.868	254.889	254.888	254.952	21
22	254.965	254.968	254.971	254.898	254.970	254.918	254.769	254.957	254.868	254.855	254.888	254.886	22
23	254.953	254.969	254.971	254.912	254.970	254.958	254.769	254.969	254.868	254.789	254.888	254.886	23
24	254.949	254.969	254.971	254.952	254.892	254.870	254.769	254.969	254.890	254.767	254.910	254.864	24
25	254.965	254.969	254.995	254.970	254.912	254.870	254.769	254.933	254.950	254.833	254.948	254.864	25
26	254.965	254.991	254.935	254.970	254.952	254.970	254.769	254.869	254.958	254.867	254.965	254.864	26
27	254.954	254.969	254.933	254.970	254.912	254.989	254.769	254.869	254.868	254.867	254.965	254.864	27
28	254.948	254.969	254.933	254.970	254.870	254.911	254.757	254.915	254.890	254.867	254.965	254.864	28
29	254.954		254.941	254.970	254.870	254.891	254.769	254.909	254.912	254.867	255.031	254.808	29
30	254.966		254.963	254.970	254.892	254.857	254.769	254.891	254.890	254.955	254.987	254.830	30
31	254.966		254.959		254.892		254.713	254.869		254.959		254.844	31
MEAN	254.964	254.970	254.962	254.945	254.909	254.919	254.765	254.889	254.900	254.867	254.935	254.885	MEAN
MAX	254.986	255.012	255.053	254.993	254.970	254.994	254.813	254.991	254.990	254.959	255.031	255.053	MAX
MIN	254.948	254.948	254.894	254.871	254.858	254.857	254.713	254.713	254.848	254.767	254.866	254.808	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1981

MEAN, 254.909
MAXIMUM DAILY, 255.053 ON MAR 16
MINIMUM DAILY, 254.713 ON JUL 31

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 15 35 N
LONG 96 03 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PF063

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	807	836	720	538	328	201	512	415	210	471	613	697	1
2	793	838	690	521	318	199	554	384	323	523	624	615	2
3	786	831	669	436	363	199	535	364	279	596	696	627	3
4	764	836	705	482	286	197	529	359	333	464	661	674	4
5	808	832	671	433	321	168	547	415	352	516	692	679	5
6	800	844	686	407	321	161	559	417	420	558	706	651	6
7	818	839	717	333	260	189	607	390	398	586	591	639	7
8	829	827	659	281	211	149	547	322	287	599	582	660	8
9	801	826	646	318	234	175	581	317	276	636	621	669	9
10	787	818	681	403	296	177	604	169	267	587	639	676	10
11	781	865	671	374	236	169	597	316	321	603	720	681	11
12	785	855	685	351	263	165	498	232	466	574	674	681	12
13	777	886	625	312	284	171	620	309	399	524	639	681	13
14	820	853	567	348	260	184	501	312	447	564	661	659	14
15	792	880	564	392	272	278	518	318	411	576	579	684	15
16	899	853	585	366	273	253	493	297	514	576	665	651	16
17	896	865	621	335	258	259	495	298	471	593	558	720	17
18	915	836	617	372	237	242	441	275	550	594	658	653	18
19	841	846	593	345	247	253	513	323	462	558	628	620	19
20	822	856	590	338	273	295	509	326	439	634	689	656	20
21	835	864	523	359	236	296	470	389	495	590	629	590	21
22	824	858	548	345	225	340	513	417	473	592	657	568	22
23	820	882	577	324	290	363	481	280	442	569	661	549	23
24	803	900	593	394	259	371	509	266	463	617	640	552	24
25	815	889	592	288	300	457	423	208	451	599	637	546	25
26	791	875	563	312	296	472	522	254	429	600	690	563	26
27	812	758	567	306	209	488	385	274	386	624	630	526	27
28	821	729	563	318	240	500	446	276	486	602	550	557	28
29	852		565	344	198	590	409	323	420	574	580	515	29
30	853		551	362	200	520	376	294	527	574	599	547	30
31	819		594		200		413	318		533		526	31
TOTAL	25 366	23 677	19 198	11 037	8 194	8 481	15 767	9 817	12 197	17 806	19 169	19 312	TOTAL
MEAN	818	846	619	368	264	283	507	317	407	574	639	623	MEAN
MAX	915	900	720	538	363	590	620	417	550	636	720	720	MAX
MIN	764	729	523	281	198	149	376	169	210	464	550	515	MIN

SUMMARY FOR THE YEAR 1981

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 520
MAXIMUM DAILY, 915 ON JAN 18
MINIMUM DAILY, 149 ON JUN 8

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 15 W
DRAINAGE AREA, 126 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 190 000	JUL	1 360 000
FEB	2 050 000	AUG	848 000
MAR	1 660 000	SEP	1 050 000
APR	954 000	OCT	1 540 000
MAY	708 000	NOV	1 660 000
JUN	733 000	DEC	1 670 000

TOTAL DISCHARGE, 16 400 000 dam³

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

REGULATED SINCE 1907

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PF057

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	273.009	273.070	273.000	273.073	273.034	273.083	273.006	272.985	273.095	273.025	273.067	274.143	1
2	272.976	273.095	273.046	273.061	273.031	273.113	272.924	273.009	273.055	273.037	273.009	274.094	2
3	272.991	273.073	273.064	272.976	273.086	273.119	272.958	273.040	273.073	273.009	273.052	274.085	3
4	273.083	273.037	273.022	273.064	273.015	273.122	273.015	273.028	273.070	273.037	273.046	274.104	4
5	273.070	273.086	273.031	273.028	273.089	273.079	273.046	273.064	273.079	273.092	273.028	274.162	5
6	273.031	273.076	273.012	273.028	273.110	273.079	273.043	273.092	273.079	273.086	273.052	274.174	6
7	273.061	273.046	272.997	273.019	273.086	273.092	273.034	273.064	273.046	273.028	273.028	274.152	7
8	273.061	273.022	272.970	272.991	273.025	273.079	273.055	273.037	273.067	273.019	273.174	274.140	8
9	273.079	273.015	272.939	273.058	273.058	273.098	273.031	273.015	273.015	273.034	273.345	274.085	9
10	273.061	273.058	273.079	273.116	273.000	273.104	273.046	272.961	273.003	273.052	273.442	274.040	10
11	273.049	273.070	273.076	273.095	273.019	273.104	273.034	272.954	273.055	273.012	273.491	274.085	11
12	273.046	273.061	273.006	273.079	273.058	273.073	273.019	273.061	273.058	272.994	273.479	274.140	12
13	273.025	273.089	272.994	272.994	273.067	273.076	272.976	273.031	273.019	272.945	273.549	274.143	13
14	273.046	273.101	273.009	272.958	273.104	273.119	272.985	273.073	273.031	273.028	273.601	274.122	14
15	273.037	273.073	273.009	273.107	273.079	273.073	273.046	273.064	273.089	273.046	273.686	274.091	15
16	273.046	273.043	272.939	273.104	273.125	273.070	272.976	273.058	273.107	273.025	273.710	274.067	16
17	273.000	273.009	273.012	273.061	273.092	273.098	273.003	273.034	273.070	273.055	273.799	274.073	17
18	272.961	273.012	273.006	273.022	273.083	273.073	273.019	272.988	273.073	273.046	273.860	274.073	18
19	273.043	273.015	273.058	273.015	273.046	273.107	273.055	273.034	273.070	272.985	273.832	274.140	19
20	273.046	272.994	273.086	272.973	273.022	273.101	273.049	273.025	273.061	273.040	273.747	274.119	20
21	273.040	273.076	273.043	273.046	273.009	273.098	273.025	273.034	273.079	273.015	273.884	274.122	21
22	272.973	273.095	273.086	273.025	272.964	273.070	273.055	273.107	273.083	273.031	274.058	274.094	22
23	273.012	273.040	273.089	273.107	273.064	273.061	273.006	273.079	273.067	273.089	274.107	274.082	23
24	272.997	273.055	273.116	273.067	273.086	273.028	273.046	273.046	273.073	273.061	274.131	274.097	24
25	273.043	273.058	273.064	273.046	273.073	273.055	273.022	273.086	273.043	273.034	274.097	274.113	25
26	272.991	273.028	273.012	273.079	273.083	272.994	273.040	273.092	273.055	273.034	274.091	274.067	26
27	273.076	273.003	273.092	273.064	273.031	273.040	273.061	273.086	273.079	273.015	274.061	274.082	27
28	273.070	273.031	273.147	273.083	272.933	273.034	273.025	273.073	273.043	272.994	274.058	274.076	28
29	273.086		273.083	273.095	272.930	273.012	273.046	273.107	273.110	272.991	274.027	274.125	29
30	273.086		273.098	273.079	273.003	273.019	273.031	273.055	272.970	272.964	274.070	274.107	30
31	273.101		273.098		273.101		273.043	273.055		273.055		274.158	31
MEAN	273.039	273.051	273.041	273.050	273.045	273.076	273.023	273.046	273.061	273.028	273.619	274.108	MEAN
MAX	273.101	273.101	273.147	273.116	273.125	273.122	273.061	273.107	273.110	273.092	274.131	274.174	MAX
MIN	272.961	272.994	272.939	272.958	272.930	272.994	272.924	272.954	272.970	272.945	273.009	274.040	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 273.183
MAXIMUM DAILY, 274.174 ON DEC 6
MINIMUM DAILY, 272.924 ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 96 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO. 05PF048

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	230.252	230.209	230.115	229.685	229.490	229.246	229.725	229.505	229.200	229.414	229.731	229.792	1
2	230.465	230.267	230.310	229.652	229.325	229.170	229.914	229.551	229.252	229.453	229.978	229.703	2
3	230.389	230.267	229.959	229.688	229.396	229.301	229.850	229.356	229.295	229.685	229.868	230.005	3
4	230.121	230.246	230.103	229.344	229.411	229.277	229.505	229.685	229.478	229.575	230.048	229.694	4
5	230.319	230.118	230.145	229.420	229.392	229.335	229.688	229.292	229.255	229.545	229.725	229.853	5
6	230.539	230.240	230.039	229.466	229.325	229.252	229.816	229.709	229.338	229.652	230.289	229.880	6
7	230.496	230.206	229.850	229.411	229.392	229.350	229.655	229.773	229.621	229.786	230.133	229.901	7
8	230.490	230.142	230.136	229.277	229.353	229.313	229.834	229.469	229.377	229.652	229.682	229.996	8
9	230.386	230.185	230.289	229.112	229.185	229.280	229.892	229.359	229.103	229.905	229.956	230.264	9
10	230.520	230.240	229.898	229.264	229.185	229.258	229.670	229.386	229.456	229.481	229.804	230.017	10
11	230.462	230.158	229.990	229.338	229.371	229.295	229.697	229.231	229.411	229.667	229.831	229.911	11
12	230.154	230.307	229.938	229.466	229.292	229.277	229.664	229.365	229.027	229.911	230.020	229.713	12
13	230.237	230.313	230.182	229.389	229.304	229.121	229.862	229.417	229.606	229.569	230.130	230.063	13
14	230.581	230.475	229.828	229.444	229.304	229.341	229.603	229.353	229.563	229.728	229.923	229.984	14
15	230.331	230.441	229.548	229.304	229.280	229.566	229.453	229.383	229.502	229.755	229.783	229.908	15
16	230.401	230.475	230.136	229.402	229.310	229.377	229.831	228.966	229.581	229.615	229.792	229.941	16
17	230.069	230.398	229.981	229.417	229.170	229.450	229.667	229.383	229.649	229.499	229.658	229.944	17
18	230.151	230.523	230.017	229.456	229.231	229.304	229.450	229.402	229.548	229.865	230.069	230.045	18
19	230.127	230.459	229.767	229.441	229.341	229.572	229.508	229.347	229.453	229.898	229.959	229.743	19
20	230.154	230.401	229.834	229.429	229.292	229.392	229.868	229.344	229.520	229.658	230.127	229.764	20
21	230.246	230.240	229.655	229.371	229.176	229.591	229.524	229.432	229.542	229.770	229.725	229.938	21
22	230.289	230.499	229.661	229.420	229.176	229.517	229.670	229.255	229.600	229.813	229.676	229.889	22
23	230.249	230.386	229.719	229.484	229.307	229.450	229.627	229.392	229.310	229.981	229.880	229.926	23
24	230.215	230.484	229.792	229.350	229.368	229.655	229.581	229.417	229.499	229.795	229.959	229.792	24
25	229.801	230.453	230.124	229.585	229.392	229.664	229.548	229.271	229.514	229.508	230.014	229.533	25
26	230.295	230.520	229.764	229.261	229.353	229.636	229.520	229.304	229.298	230.161	229.932	229.908	26
27	230.078	230.423	229.740	229.304	229.423	229.728	229.588	229.127	229.222	229.984	229.996	229.773	27
28	230.136	230.167	229.377	229.264	229.405	229.694	229.328	229.405	229.758	229.801	229.828	229.959	28
29	230.310		229.825	229.325	229.298	230.130	229.463	229.316	229.441	229.780	229.831	229.786	29
30	230.261		229.786	229.447	229.191	230.036	229.597	229.268	229.652	229.959	229.700	229.652	30
31	230.118		229.807		229.054		229.496	229.618		229.728		229.554	31
MEAN	230.279	230.330	229.913	229.407	229.306	229.453	229.648	229.390	229.436	229.729	229.902	229.866	MEAN
MAX	230.581	230.523	230.310	229.688	229.490	230.130	229.914	229.773	229.758	230.161	230.289	230.264	MAX
MIN	229.801	230.118	229.377	229.112	229.054	229.121	229.328	228.966	229.027	229.414	229.658	229.533	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MEAN, 229.718
MAXIMUM DAILY, 230.581 ON JAN 14
MINIMUM DAILY, 228.966 ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 96 00 15 W
DATA CONTRIBUTED BY - MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINTERING LAKE AT THICKET PORTAGE - STATION NO. 05TD002

DAILY WATER LEVEL IN METRES FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.806	181.709	181.629	181.559	181.526	181.842E	181.840	181.737	181.613	181.507	181.648	181.654	1
2	181.807	181.712	181.623	181.559	181.536	181.841E	181.839	181.735	181.609	181.493	181.656	181.652	2
3	181.805	181.707	181.618	181.551	181.535	181.840E	181.834	181.735	181.612	181.500	181.653	181.650	3
4	181.806	181.700	181.624	181.550	181.542	181.838E	181.837	181.742	181.597	181.502	181.656	181.651	4
5	181.804	181.698	181.621	181.552	181.550	181.835E	181.830	181.741	181.590	181.507	181.657	181.645	5
6	181.790	181.695	181.613	181.542	181.556A	181.832E	181.819	181.743	181.589	181.505	181.657	181.645	6
7	181.794	181.693	181.615	181.548	---	181.828E	181.815	181.746	181.597	181.504	181.658	181.640	7
8	181.791	181.684	181.614	181.553	---	181.822E	181.801	181.751	181.588	181.497	181.665	181.644	8
9	181.789	181.685	181.604	181.547	---	181.812E	181.796	181.738	181.582	181.493	181.660	181.636	9
10	181.786	181.683	181.599	181.549	---	181.804A	181.792	181.730	181.583	181.499	181.664	181.630	10
11	181.785	181.681	181.596	181.550	---	181.792	181.785	181.721	181.585	181.505	181.662	181.626	11
12	181.775	181.679	181.594	181.548	---	181.792	181.775	181.722	181.577	181.514	181.663	181.631	12
13	181.768	181.678	181.591	181.547	---	181.793	181.766	181.715	181.567	181.534	181.664	181.628	13
14	181.759	181.669	181.589	181.546	---	181.784	181.757	181.709	181.571	181.545	181.659	181.624	14
15	181.754	181.662	181.580	181.541	---	181.785	181.752	181.693	181.558	181.556	181.659	181.623	15
16	181.756	181.664	181.576	181.545	---	181.779	181.743	181.691	181.545	181.568	181.665	181.620	16
17	181.751	181.658	181.573	181.538	---	181.784	181.732	181.690	181.535	181.598	181.667	181.619	17
18	181.754	181.651	181.568	181.537	---	181.805	181.726	181.680	181.540	181.602	181.666	181.621	18
19	181.751	181.651	181.566	181.529	---	181.801	181.722	181.676	181.531	181.610	181.663	181.616	19
20	181.751	181.646	181.564	181.532	---	181.816	181.715	181.679	181.523	181.620	181.663	181.618	20
21	181.744	181.646	181.564	181.534	---	181.825	181.704	181.678	181.513	181.625	181.662	181.616	21
22	181.746	181.650	181.560	181.530	---	181.826	181.704	181.672	181.505	181.631	181.662	181.613	22
23	181.738	181.649	181.557	181.529	---	181.828	181.710	181.661	181.501	181.633	181.664	181.613	23
24	181.740	181.645	181.554	181.526	---	181.824	181.752	181.655	181.504	181.639	181.662	181.609	24
25	181.736	181.644	181.550	181.523	---	181.828	181.748	181.650	181.500	181.649	181.660	181.609	25
26	181.728	181.638	181.540	181.524	---	181.838	181.741	181.643	181.518	181.648	181.663	181.604	26
27	181.722	181.636	181.545	181.527	---	181.839	181.734	181.648	181.525	181.646	181.661	181.602	27
28	181.717	181.634	181.551	181.524	---	181.844	181.737	181.643	181.520	181.643	181.659	181.596	28
29	181.709		181.550	181.526	181.848A	181.835	181.734	181.634	181.515	181.644	181.657	181.594	29
30	181.710		181.554	181.523	181.845E	181.834	181.728	181.615	181.506	181.644	181.657	181.591	30
31	181.710		181.558		181.843E		181.732	181.622		181.650		181.584	31
MEAN	181.761	181.670	181.582	181.540	---	181.818	181.765	181.693	181.553	181.571	181.660	181.623	MEAN
MAX	181.807	181.712	181.629	181.559	---	181.844	181.840	181.751	181.613	181.650	181.667	181.654	MAX
MIN	181.709	181.634	181.540	181.523	---	181.779	181.704	181.615	181.500	181.493	181.648	181.584	MIN

SUMMARY FOR THE YEAR 1981

WATER LEVELS IN METRES

MINIMUM DAILY, 181.493 ON OCT 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 25 N
LONG 97 40 54 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

WOODY RIVER NEAR BOWSMAN - STATION NO. 05LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1981

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.272B	2.97B	16.0	1.95	4.92	5.60	0.082	2.96	---	---	1
2	---	---	0.272B	3.20B	16.1	1.73	4.93	6.86	0.093	3.40	---	---	2
3	---	---	0.272B	5.36B	16.3	1.52	4.67	8.20	0.043	3.74	---	---	3
4	---	---	0.272B	5.64B	15.7	1.39	4.36	9.01	0.005	3.22	---	---	4
5	---	---	0.272B	6.28B	15.3	1.25	3.85	9.83	0	3.52	---	---	5
6	---	---	0.272B	7.55B	15.0	1.07	3.47	10.6	0	3.74	---	---	6
7	---	---	0.272B	6.00B	13.9	1.08	3.19	11.1	0.012	3.78	---	---	7
8	---	---	0.272B	4.43B	12.8	1.05	2.93	11.0	0.091	3.84	---	---	8
9	---	---	0.272B	4.41B	11.9	0.991	2.55	11.5	0.196	3.72	---	---	9
10	---	---	0.272B	6.68B	10.9	0.934	2.37	9.68	0.293	3.68	---	---	10
11	---	---	0.314B	6.55B	10.3	0.898	2.15	8.47	0.365	3.79	---	---	11
12	---	---	0.400B	8.08B	9.34	0.871	1.91	8.32	0.347	4.20	---	---	12
13	---	---	0.500B	8.63B	8.54	0.789	1.73	6.99	0.308	6.23	---	---	13
14	---	---	0.586B	7.79B	7.84	0.859	1.65	5.69	0.336	8.54	---	---	14
15	---	---	0.750B	8.20B	7.24	0.984	1.71	4.67	0.373	9.85	---	---	15
16	---	---	0.920B	8.58B	6.72	1.01	1.97	4.00	0.371	10.6	---	---	16
17	---	---	0.920B	9.00	6.06	1.06	2.55	3.40	0.333	11.5	---	---	17
18	---	---	0.920B	9.27	5.51	1.08	3.97	2.90	0.291	12.6	---	---	18
19	---	---	0.920B	10.2	5.04	1.05	4.15	2.49	0.272	13.4	---	---	19
20	---	---	0.920B	11.5	4.61	1.06	4.03	2.10	0.265	13.8	---	---	20
21	---	---	0.920B	12.5	4.47	1.11	4.00	1.79	0.278	13.5	---	---	21
22	---	---	0.920B	12.6	4.04	1.34	4.15	1.56	0.328	12.4	---	---	22
23	---	---	0.920B	12.4	3.72	1.55	4.38	1.27	0.348	12.0	---	---	23
24	---	---	1.15 B	12.2	3.46	3.09	4.55	1.00	0.316	11.8	---	---	24
25	---	---	1.37 B	12.9	3.25	3.93	5.24	0.833	0.290	11.5	---	---	25
26	---	---	1.60 B	13.2	3.17	4.52	5.22	0.741	0.510	12.0	---	---	26
27	---	---	1.81 B	13.9	2.74	4.62	4.79	0.554	0.610	12.8	---	---	27
28	---	---	2.04 B	14.6	2.57	4.71	4.62	0.418	1.64	10.6	---	---	28
29	---		2.26 B	15.4	2.34	4.95	4.30	0.286	2.01	9.85A	---	---	29
30	---		2.50 B	16.0	2.24	5.02	4.41	0.214	2.65	9.11E	---	---	30
31	---		2.72 B		2.12		4.87	0.138		8.46E		---	31
TOTAL	---	---	28.080	276.02	249.22	57.466	113.59	151.214	13.056	254.13	---	---	TOTAL
MEAN	---	---	0.906	9.20	8.04	1.92	3.66	4.88	0.435	8.20	---	---	MEAN
MAX	---	---	2.72	16.0	16.3	5.02	5.24	11.5	2.65	13.8	---	---	MAX
MIN	---	---	0.272	2.97	2.12	0.789	1.65	0.138	0	2.96	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.66
MAXIMUM DAILY, 16.3 ON MAY 3
MINIMUM DAILY, 0 ON SEP 5
MAXIMUM INSTANTANEOUS,
16.5 AT 23:55 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 08 15 W
DRAINAGE AREA, 2 110 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	9 810
FEB	---	AUG	13 100
MAR	2 430	SEP	1 130
APR	23 800	OCT	22 000
MAY	21 500	NOV	---
JUN	4 970	DEC	---

TOTAL DISCHARGE, 98 700 dam³

NAME	STATION NO.	PAGE
ANGLING RIVER NEAR BIRD	05UH001	1
ANTLER RIVER NEAR MELITA	05MF002	1
ARROW RIVER NEAR ARROW RIVER	05MG001	2
ASSINIBOINE RIVER AT HEADINGLEY	05MJ001	2
ASSINIBOINE RIVER NEAR BRANDON	05MH013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MH005	3
ASSINIBOINE RIVER NEAR MINIOTA	05ME006	4
ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE	05MJ003	4
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	5
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KG005	5
BACK LAKE NEAR OXFORD HOUSE	04AA003	6
BADGER CREEK NEAR CARTWRIGHT	05OA007	6
BALD HILL CREEK NEAR MCCREARY	05LJ043	7
BALD HILL RESERVOIR NEAR MCCREARY	05LJ041	7
BARRINGTON RIVER BELOW FIRST RAPIDS	06EB003	8
BEAVER CREEK EAST OF BEAVER	05LL028	8
BEAVER LAKE NEAR PINE RIVER	05LG007	9
BELL LAKE NEAR OUTLET	05LF003	9
BELL RIVER NEAR BELLSITE	05LF002	10
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	10
BIG GRASS RIVER NEAR GLENELLA	05LL015	11
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	11
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	12
BIRCH RIVER NEAR BIRCH RIVER	05LE010	12
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	13
BIRDTAIL CREEK NEAR BIRTLE	05ME003	13
BIRNIE CREEK NEAR BIRNIE	05LL017	14
BLACK RIVER NEAR MANIGOTAGAN	05RA002	14
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	15
BOYNE RIVER NEAR CARMAN	05OF003	15
BOYNE RIVER NEAR ROSEISLE	05OF011	16
BOYNE RIVER NEAR STEPHENFIELD	05OF006	16
BOYNE RIVER NEAR TREHERNE	05OF010	17
BRERETON LAKE NEAR RENNIE	05PG003	17
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	18
BROKENHEAD RIVER NEAR VIVIAN	05SA004	18
BUFFALO LAKE CHANNEL NEAR ALTONA	05OC025	19
BURNT LAKE DRAIN NO. 1 NEAR DEERHORN	05LN002	19
BURNT LAKE DRAIN NO. 2 NEAR LUNDAR	05LN003	20
BURNTWOOD RIVER ABOVE THREE POINT LAKE	05TE001	20
BURNTWOOD RIVER NEAR THOMPSON	05TG001	21
CEDAR LAKE AT EASTERVILLE	05KL009	21
CEDAR LAKE NEAR OLESON POINT	05KL005	22
CHILDS LAKE NEAR BOGGY CREEK	05MD008	22
CHURCHILL RIVER ABOVE GRANVILLE FALLS	06EA006	23
CHURCHILL RIVER ABOVE LEAF RAPIDS	06EB004	23
CHURCHILL RIVER ABOVE RED HEAD RAPIDS	06FD001	24
CHURCHILL RIVER BELOW FIDLER LAKE	06FB001	24
CHURCHILL RIVER DIVERSION AT SOUTH BAY	06EC002	25
CLEARWATER LAKE AT GUY HILL	05KK009	25
COCHRANE RIVER NEAR BROCHET	06DA002	26
CONJURING CREEK NEAR RUSSELL	05ME005	26
COOKS CREEK AT COOKS CREEK	05OJ006	27
COOKS CREEK NEAR EAST SELKIRK	05OJ002	27
COOKS CREEK NEAR GLASS	05OJ007	28
CORMORANT LAKE AT CORMORANT	05KK002	28
CROSS LAKE AT CROSS LAKE	05UD001	29
CRYSTAL CREEK NEAR CRYSTAL CITY	05OB006	29
CYPRESS CREEK NEAR CLEARWATER	05OB010	30
CYPRESS CREEK NEAR SARLES	05OB031	30
CYPRESS RIVER NEAR BRUXELLES	05MH008	31
CYPRESS RIVER NEAR CYPRESS RIVER	05MH004	31
DAUPHIN LAKE AT OCHRE BEACH	05LJ816	32
DAUPHIN LAKE AT OUTLET	05LJ009	32
DAUPHIN RIVER NEAR ANAMA BAY	05LM006	33
DEAD LAKE DRAIN NEAR GLADSTONE	05LL023	33
DEADHORSE CREEK AT MORDEN	05OC015	34
DEER RIVER NORTH OF BELCHER	06FD002	34
DELORAINE RESERVOIR NEAR DELORAINE	05MG014	35
DEVILS CREEK NEAR LIBAU	05OJ016	35
DOG LAKE NEAR VOGAR	05LM005	36
DOMAIN DRAIN NEAR DOMAIN	05OG009	36
DUCK RIVER AT COWAN	05LG004	37
EAST FISHER RIVER NEAR HODGSON	05SD004	37
EASTERN TRIBUTARY TO EDWARDS CREEK	05LJ032	38
EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	05LJ047	38
ELGIN CREEK NEAR SOURIS	05MG012	39
ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK	05OG005	39
ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	05OG006	40
EPINETTE CREEK NEAR CARBERRY	05MH007	40
FAIRFORD RIVER NEAR FAIRFORD	05LM001	41
FALCON LAKE AT FALCON LAKE	05PD801	41
FAMILY LAKE AT LITTLE GRAND RAPIDS	05RD006	42
FISH LAKE DRAIN NEAR CAMP MORTON	05SB005	42
FISH LAKE NEAR MELEB	05SB003	43
FISHER RIVER NEAR DALLAS	05SD003	43
FISHING RIVER NEAR FORK RIVER	05LJ015	44
FOOTPRINT LAKE AT NELSON HOUSE	05TF001	44
FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	05TF002	45
FORK RIVER AT ETHELBERT	05LJ016	45
GAINSBOROUGH CREEK NEAR LYLETON	05MF007	46
GARLAND RIVER NEAR DUCK RIVER	05LG006	46
GAUER RIVER BELOW THORSTEINSON LAKE	06FA001	47
GIMBY CREEK NEAR CARTWRIGHT	05OA015	47
GLENELLA DRAIN NEAR GLENELLA	05LL026	48
GODS LAKE AT GODS LAKE NARROWS	04AC001	48
GODS LAKE AT OUTLET OF GODS LAKE	04AC006	49
GODS RIVER AT OUTLET OF GODS LAKE	04AC005	49
GODS RIVER NEAR SHAMATTAWA	04AD002	50
GOPHER CREEK NEAR GLADSTONE	05LL024	50
GOPHER CREEK NEAR VIRDEN	05MG003	51
GRACE LAKE NEAR THE PAS	05KJ002	51
GRAHAM CREEK NEAR MELITA	05MF008	52
GRANVILLE LAKE AT PICKEREL NARROWS	06EB002	52
GRASS RIVER ABOVE STANDING STONE FALLS	05TD001	53
GRASS RIVER AT WEKUSKO FALLS	05TB002	53
GRASSMERE DRAIN NEAR MIDDLECHURCH	05OJ017	54
GUNISAO RIVER ABOVE DIAMOND RAPIDS	05UA003	54
HAYES RIVER BELOW GODS RIVER	04AB001	55
HAYES RIVER BELOW TROUT FALLS	04AA004	55
HESPELER FLOODWAY NEAR ROSENFELD	05OC016	56
HIDDEN ISLAND COULEE NEAR HANSBORO	05OA005	56
ICELANDIC RIVER NEAR RIVERTON	05SC002	57

NAME	STATION NO.	PAGE
ISLAND LAKE NEAR ISLAND LAKE	04AC002	57
ISLAND LAKE RIVER NEAR ISLAND LAKE	04AC007	58
JACKSON CREEK NEAR MELITA	05NF015	58
JORDAN CREEK NEAR PLUMAS	05LL008	59
JOUBERT CREEK AT ST. PIERRE-JOLYS	05OE007	59
KENTON CREEK AT KENTON	05MG006	60
KETTLE RIVER NEAR GILLAM	05UF004	60
KILLARNEY LAKE AT KILLARNEY	05OA803	61
KISKITTO LAKE NEAR NORWAY HOUSE	05UB013	61
KISKITTOGISU LAKE NEAR NORWAY HOUSE	05UB007	62
KISSISSING LAKE AT COLD LAKE	06EA009	62
KRONSGART DRAIN NEAR SEWELL	05OC024	63
LA SALLE RIVER AT SANFORD	05OG001	63
LA SALLE RIVER NEAR ELIE	05OG008	64
LAKE MANITOBA AT STEEP ROCK	05LK002	64
LAKE MANITOBA AT THE NARROWS	05LK003	65
LAKE MANITOBA NEAR TOUTES AIDES	05LK004	65
LAKE MANITOBA NEAR WESTBOURNE	05LL012	66
LAKE OF THE PRAIRIES NEAR SHELLMOUTH	05MD009	66
LAKE ST. MARTIN NEAR HILBRE	05LM005	67
LAKE WINNIPEG AT BERENS RIVER	05RD005	67
LAKE WINNIPEG AT GIMLI	05SB006	68
LAKE WINNIPEG AT MATHESON ISLAND LANDING	05SD002	68
LAKE WINNIPEG AT MISSION POINT	05SG001	69
LAKE WINNIPEG AT MONTREAL POINT	05RF001	69
LAKE WINNIPEG AT PINE DOCK	05SD001	70
LAKE WINNIPEG AT VICTORIA BEACH	05SA003	70
LAKE WINNIPEGOSIS AT DAWSON BAY	05LD002	71
LAKE WINNIPEGOSIS AT WINNIPEGOSIS	05LH001	71
LAURIE RIVER BELOW LAURIE RIVER HYDRO PLANT	06EB005	72
LIMESTONE RIVER NEAR BIRD	05UG001	72
LITTLE BEAVER RIVER NEAR THE MOUTH	06FB002	73
LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE	06FC001	73
LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA	05MF001	74
LITTLE SASKATCHEWAN RIVER NEAR RIVERS	05MF018	74
LITTLE SOURIS RIVER NEAR BRANDON	05MH006	75
LITTLE WOODY RIVER NEAR BARROWS	05LC005	75
LONG LAKE NEAR LITTLE GRAND RAPIDS	05RD010	76
LONG RIVER NEAR HOLMFIELD	05OA006	76
LONG RIVER NEAR LYONSHALL	05OA014	77
LOON RIVER ABOVE BRITTON LAKE	06EA008	77
MAIN DRAIN 4A NEAR DOMINION CITY	05OD028	78
MAIN DRAIN 4B NEAR FREDENSTHAL	05OD029	78
MANIGOTAGAN RIVER NEAR MANIGOTAGAN	05RA001	79
MANISTIKWAN LAKE NEAR FLIN FLON	05KG006	79
MANNING CANAL NEAR ILE DES CHENES	05OE006	80
MAPLE (MARSHY) LAKE NEAR PIPESTONE	05NG022	80
MARSH RIVER NEAR OTTERBURNE	05OE010	81
MARY JANE CREEK AT LA RIVIERE	05OB013	81
MARY JANE RESERVOIR NEAR LA RIVIERE	05OB014	82
MCKINNON CREEK NEAR MCCREARY	05LJ027	82
MEDORA CREEK NEAR NAPINKA	05NG020	83
MINK CREEK NEAR ETHELBERT	05LJ019	83
MINK CREEK NEAR SIFTON	05LJ048	84
MINNEWASTA CREEK NEAR BEULAH	05ME008	84
MORRIS RIVER NEAR ROSENORT	05OF020	85
MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE	05LJ025	85
MOWBRAY CREEK NEAR MOWBRAY	05OB021	86
NEEPAWA CREEK NEAR NEEPAWA	05LL009	86
NEEPAWA RESERVOIR NEAR NEEPAWA	05LL010	87
NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS	05UB008	87
NELSON RIVER (WEST CHANNEL) AT JENPEG	05UB009	88
NELSON RIVER ABOVE BLADDER RAPIDS	05UD004	88
NELSON RIVER AT KELSEY GENERATING STATION	05UE005	89
NELSON RIVER AT NORWAY HOUSE	05UB001	89
NELSON RIVER AT WARREN LANDING	05UB003	90
NETLEY CREEK NEAR MATLOCK	05OJ009	90
NETLEY CREEK NEAR PETERSFIELD	05OJ008	91
NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK005	91
NORTH SEAL RIVER BELOW STONY LAKE	06GB001	92
NORTH SHOAL LAKE NEAR INWOOD	05LN004	92
OAK CREEK NEAR STOCKTON	05NG010	93
OAK LAKE AT OAK LAKE RESORT	05NG008	93
OAK RIVER AT SHOAL LAKE	05NG008	94
OAK RIVER NEAR BRADWARDINE	05NG010	94
OAK RIVER NEAR RIVERS	05NG004	95
OCHRE RIVER AT OCHRE RIVER	05LJ005	95
ODEI RIVER NEAR THOMPSON	05TG003	96
OVERFLOWING RIVER AT OVERFLOWING RIVER	05LD001	96
OXFORD LAKE AT OXFORD HOUSE	04AA002	97
OXTAIL CREEK NEAR CYPRESS RIVER	05MH012	97
PAMSY DRAIN NEAR SARTO	05OE014	98
PARTRIDGE CREEK NEAR ST. MARTIN	05LM002	98
PELICAN CREEK NEAR BIRNIE	05LL027	99
PELICAN LAKE NEAR NINETTE	05OA802	99
PEMBINA RIVER ABOVE LORNE LAKE	05OA010	100
PEMBINA RIVER AT NECHE	05OC004	100
PEMBINA RIVER BELOW CRYSTAL CREEK	05OB023	101
PEMBINA RIVER NEAR KILLARNEY	05OA008	101
PEMBINA RIVER NEAR WINDYGATES	05OB007	102
PIGEON RIVER AT OUTLET OF ROUND LAKE	05RD008	102
PILOT CREEK NEAR PILOT MOUND	05OB025	103
PINE CREEK DIVERSION NEAR PINEY	05OD027	103
PINE CREEK NEAR MELBOURNE	05LL014	104
PINE CREEK NEAR PINE CREEK STATION	05LL007	104
PINE RIVER NEAR PINE RIVER	05LG001	105
PIPESTONE CREEK NEAR PIPESTONE	05NG003	105
PLEASANT VALLEY CREEK NEAR GRANDVIEW	05LJ031	106
PLUM CREEK NEAR SOURIS	05NG007	106
PLUM LAKE NEAR FINLAY	05NG009	107
PLUM RIVER NEAR ROSENFELD	05OC019	107
POPLAR RIVER AT OUTLET OF WEAVER LAKE	05RE001	108
PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE	05LL019	108
PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE	05MJ006	109
RAT CREEK NEAR MACDONALD	05LL021	109
RAT RIVER BELOW NOTIGI CONTROL STRUCTURE	05TF003	110
RAT RIVER NEAR OTTERBURNE	05OE001	110
RAT RIVER NEAR ST. MALO	05OE002	111
RAT RIVER NEAR SUNDOWN	05OE004	111
RED DEER LAKE NEAR BARROWS	05LC003	112
RED DEER RIVER NEAR MOUTH, LAKE WINNIPEGOSIS	05LC004	112
RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE	05OC021	113
RED RIVER AT EMERSON	05OC001	113

NAME	STATION NO.	PAGE
RED RIVER AT JAMES AVENUE PUMPING STATION	05OJ015	114
RED RIVER AT ST. ADOLPHE	05OC803	114
RED RIVER FLOODWAY NEAR ST. NORBERT	05OC017	115
RED RIVER NEAR LOCKPORT	05OJ010	115
RED RIVER NEAR STE. AGATHE	05OC012	116
RED SUCKER LAKE AT RED SUCKER LAKE	04AC008	116
REED LAKE NEAR CRANBERRY PORTAGE	05TA001	117
REINDEER LAKE AT BROCHET	06DB001	117
RENNIE RIVER NEAR RENNIE	05PG002	118
RIVERS RESERVOIR NEAR RIVERS	05MF020	118
RIVIERE AUX MARAIS NEAR CHRISTIE	05OC022	119
ROARING RIVER NEAR MINITONAS	05LE005	119
ROCK LAKE NEAR GLENORA	05OB804	120
ROCKY LAKE NEAR WANLESS	05KH006	120
ROLLING RIVER NEAR ERICKSON	05MF008	121
ROSEAU RIVER AT GARDENTON	05OD004	121
ROSEAU RIVER NEAR CARIBOU	05OD030	122
ROSEAU RIVER NEAR DOMINION CITY	05OD001	122
ROSEISLE CREEK NEAR ROSEISLE	05OF009	123
ROUND LAKE AT OUTLET	05RD011	123
SASKATCHEWAN RIVER AT GRAND RAPIDS	05KL001	124
SASKATCHEWAN RIVER AT THE PAS	05KJ001	124
SCHIST LAKE NEAR CHANNING	05KG004	125
SCISSOR CREEK NEAR MCAULEY	05ME009	125
SEAL RIVER BELOW GREAT ISLAND	06GD001	126
SEINE RIVER DIVERSION NEAR ILE DES CHENES	05OE011	126
SEINE RIVER DIVERSION NEAR STE. ANNE	05OH008	127
SEINE RIVER NEAR PRAIRIE GROVE	05OH006	127
SEINE RIVER NEAR STE. ANNE	05OH007	128
SHANNON CREEK NEAR MORDEN	05OF021	128
SHANNON CREEK NEAR MORRIS	05OF014	129
SHANNON CREEK TRIBUTARY NEAR MYRTLE	05OF015	129
SHELL RIVER NEAR INGLIS	05MD005	130
SHELL RIVER NEAR ROBLIN	05MD007	130
SHOAL LAKE AT INDIAN BAY	05PD004	131
SHOAL LAKE NEAR SHOAL LAKE	05MG007	131
SILVER CREEK NEAR GRANDVIEW	05LJ040	132
SIMONHOUSE LAKE NEAR CRANBERRY PORTAGE	05TA002	132
SIPIWESK LAKE AT FORESTRY DOCK	05UD006	133
SNOW LAKE AT SNOW LAKE	05TB801	133
SNOWFLAKE CREEK NEAR SNOWFLAKE	05OB016	134
SOURIS RIVER AT SOURIS	05NG021	134
SOURIS RIVER AT WAWANESA	05NG001	135
SOURIS RIVER NEAR COULTER	05NF016	135
SOURIS RIVER NEAR WESTHOPE	05NF012	136
SOUTH MOOSE LAKE AT MOOSE LAKE	05KK001	136
SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE	05KK006	137
SOUTH SEAL RIVER ABOVE FOX LAKE	06GA001	137
SOUTH TOBACCO CREEK NEAR MIAMI	05OF017	138
SOUTHERN INDIAN LAKE AT SOUTH BAY	06EC003	138
SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE	06EC001	139
SPLIT LAKE AT SPLIT LAKE	05UF003	139
SPRAGUE CREEK NEAR SPRAGUE	05OD031	140
ST. MALO RESERVOIR NEAR ST. MALO	05OE003	140
STEEPROCK RIVER NEAR HAFEKING	05LF001	141
STEPHENFIELD RESERVOIR NEAR STEPHENFIELD	05OF008	141
STONY CREEK NEAR BROOMHILL	05NG019	142
STURGEON CREEK AT ST. JAMES	05MJ004	142
STURGEON CREEK NEAR PERIMETER HIGHWAY	05MJ011	143
SWAN (PEMBINA) LAKE NEAR SWAN LAKE	05OB018	143
SWAN LAKE NEAR NOVRA	05LE007	144
SWAN RIVER NEAR MINITONAS	05LE006	144
TAYLOR RIVER NEAR THOMPSON	05TG002	145
TOBACCO CREEK NEAR ROSEBANK	05OF018	145
TOUROND CREEK NEAR TOUROND	05OE009	146
TURTLE RIVER NEAR LAURIER	05LJ007	146
TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR	05NG016	147
VALLEY RIVER NEAR DAUPHIN	05LJ010	147
VALLEY RIVER NEAR GRANDVIEW	05LJ021	148
VERMILION RESERVOIR NEAR DAUPHIN	05LJ046	148
VERMILION RIVER NEAR DAUPHIN	05LJ012	149
WASKADA CREEK NEAR CRANMER	05NF014	149
WATERHEN LAKE AT SKOWNAN	05LH008	150
WATERHEN RIVER NEAR WATERHEN	05LH005	150
WEAVER LAKE AT OUTLET	05RE002	151
WEIR RIVER ABOVE THE MOUTH	05UH002	151
WEKUSKO LAKE AT BERRY BAY WHARF	05TB003	152
WEST SQUIRREL CREEK NEAR AUSTIN	05LL001	152
WHITEMOUTH LAKE NEAR THE OUTLET	05PH005	153
WHITEMOUTH RIVER NEAR WHITEMOUTH	05PH003	153
WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR	05LL013	154
WHITEMUD RIVER AT WESTBOURNE	05LL002	154
WHITEMUD RIVER NEAR KEYES	05LL005	155
WHITEMUD RIVER NEAR NEEPAWA	05LL011	155
WHITESHELL RIVER AT OUTLET OF JESSICA LAKE	05PG001	156
WHITEWATER LAKE NEAR BOISSEVAIN	05NG023	156
WILLOW CREEK NEAR CHATER	05MH011	157
WILLOW CREEK NEAR GIMLI	05SB002	157
WILSON CREEK NEAR MCCREARY	05LJ033	158
WILSON RIVER NEAR ASHVILLE	05LJ045	158
WILSON RIVER NEAR DAUPHIN	05LJ011	159
WINNIPEG RIVER AT LAC DU BONNET	05PF062	159
WINNIPEG RIVER AT SLAVE FALLS	05PF063	160
WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT	05PF057	160
WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT	05PF048	161
WINTERING LAKE AT THICKET PORTAGE	05TD002	161
WOODY RIVER NEAR BOWSMAN	05LE004	162